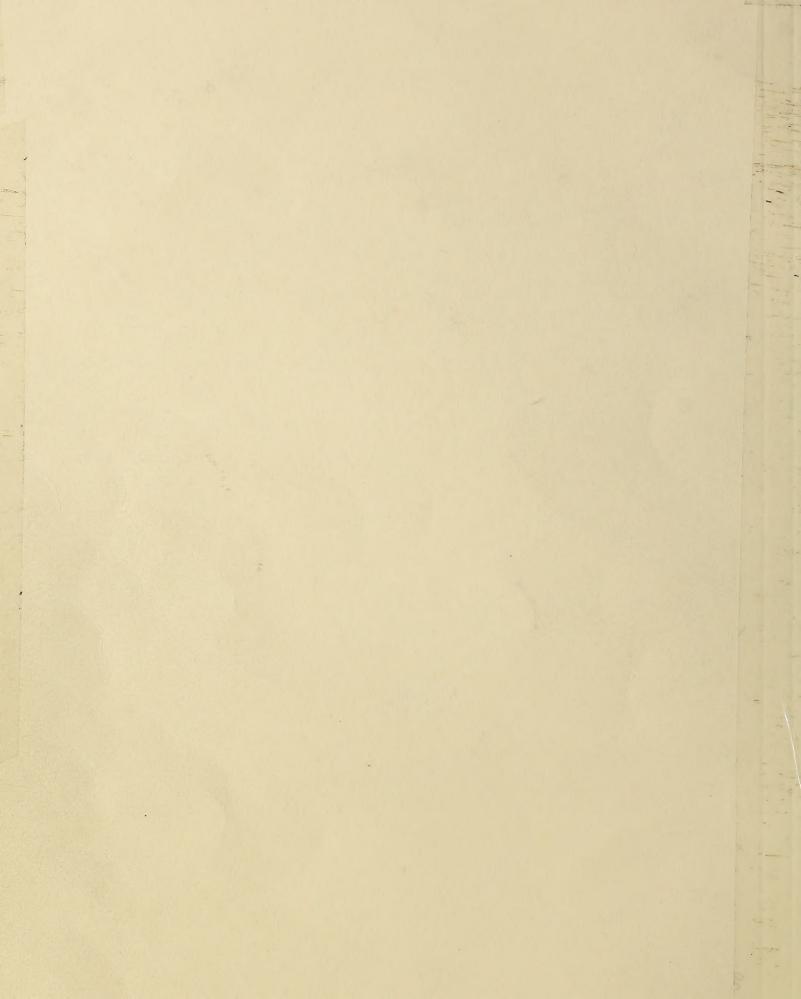
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DHIA COW PERFORMANCE INDEX LIST Registered Progeny of DHIA Sires August and November 1964

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Agricultural Research Service U. S. Department of Agriculture

The cow index ratings in this list are appraisals based on production performance information available through DHIA. The list includes the top 2 percent of registered progeny of AI and non-AI bulls summarized in August and November 1964. Included at the end of the cow index tabulation is based on information provided by State and regional DHIA a list of the names and addresses of herds represented, processing centers.

It should be recognized that small milk index difhence, ranking will have less meaning in such situations. ferences between cows are relatively unimportant and,

The cow indexes, along with the sire summaries included, should be supplemented with other needed information from the herd(s) in which cow(s) are located. A personal evaluation of herd feeding and management conditions is highly desirable.

DHIA COW PERFORMANCE INDEX LIST Registered Progeny of DHIA Sires August and November 1964

list represent approximately the best 2 percent of the daughters of these sires. sires summarized in DHIA in August and November 1964. The 4,625 cows in this This publication contains summaries of data for individual progeny of

five or more progeny, (3) cows with one or more records with herdmate data, and (4) cows whose index values for milk yield exceed the following breed requirements: The cows found in this report fulfill the following requirements: (1) Registered animals, (2) sired by bulls summarized in August or November 1964, with

No. of Cows Listed	88 490 3,381 445 205 16
Milk Index Level Pounds	1,995 1,312 1,711 1,189 1,586 1,350
Breed	Ayrshire Guernsey Holstein Jersey Brown Swiss Milking Shorthorn

The final determination of cows to be listed is based on individual merit with respect to the index rating for milk yield. Differences in index ratings among cows in this report are somewhat less important than the fact that all of the cows represented fall into the highest genetic level for milk production. Index ratings for fat yield are computed but are not used for screening require-

4,047

The index ratings are a means of evaluating the genetic or breeding value

the number of lactations of the cow, and the number of AI paternal half-sisters. here includes a contribution based on the cow's own production, expressed as the average deviation from herdmates, and a contribution based on the average deviation from herdmates of the cow's artificially sired paternal half-sisters. These ratings are obtained by the selection index method, a technique known to animal geneticists for many years. This method makes it possible to combine several different sources of information (for example, production of different types of relatives) in such a way that the resulting index of breeding merit corresponds more closely to the cow's true breeding value than any other possible combination of the same information. The specific index used The index procedure produces the most accurate assessment of breeding value by taking appropriate account of the degree of genetic influence on milk yield, of cows.

to the cow's production and that of her paternal half-sisters resulting from AI. shed much more light on a cow's genotype than any other single source. First, the number of paternal half-sisters can be very large through artificial in-While the inclusion of other classes of relatives in the index is helpthe additional computing effort involved does not justify the relatively semination, and secondly, AI paternal half-sisters are scattered throughout many different herd environments. Consequently the present index was limited The use of AI paternal half-sib data can often small increases in accuracy.

the "Weights" used in the index: The following table presents examples of

	Relative	Emphasis	0.8	0	3,7	5.	1.4	2,3	4.	1.0	1.6
Weights	AI Paternal	Sisters	0.19	64.	• 74	.17	.43	99.	.15	• 38	. 59
		Cow	0.24	.22	• 20	.33	.31	.29	.41	• 38	• 36
of Records	AI Paternal	Sisters	70	25	200	2	25	200	70	25	200
Number		Cow	-		—	2	2	2	4	4	7

The right hand column of the table on page 2 gives the relative emphasis performance of AI paternal sisters as compared to the cow's own perform-This table shows how the information available about the cow and her pasisters is combined when differing amounts of data from the two sources

The index rating is expressed in terms of a difference from zero. Nat-all milk values of cows in this report are positive. In rare instances urally, all milk values of cowrithe fat index may be negative.

To illustrate the calculation of the index values, consider the followlactation records available: ing example in which a cow has two DHIA

ite Average	91	37
Adj. Herdmate	11,05	11,13
Cow's 305-2X-ME Records	12,287	12,641
Lactation	77	Average

deviation from their herdmates of plus 361 pounds of milk. The proper weights Suppose that this cow has 200 AI paternal half-sisters with an average are obtained from the above table and the index calculated as follows:

Index =
$$0.29 (12,641 - 11,137) + 0.66 (361) = 674 1bs$$
.

exclusively in natural service, in contrast to the two previous publications. In indexing daughters of non-AI bulls, zero weight is given to the sire or paternal sisters since a basis for accurate assessment of such data is present-This publication includes also index ratings of progeny of sires used ly lacking. Therefore, such indexes are based on the cow's own performance which requires that they be exceptionally superior to herdmates in order to qualify.

Description of Cow Performance Index Listing

In the first column is given the DHIA herd code representing the last herd of the cow (Canadian registrations are denoted by 9-digit numbers containing an in which the cow made a record. The next column lists the registration number "01" in the left-most positions).

ceived before or after her sire entered artificial service. An "A" indicates an artificially sired cow, lack of an "A" indicates naturally sired. The registration number of the cow's sire is given in the following column. Since sires whose progeny appear in the Cow Performance Index listing have been summarized in DHIA, further information on the sire may be obtained from the latest editions The third column provides an indication as to whether the cow was conthe DHIA Sire Summary List.

Following this are data on the average performance of the cow's herdmates (adjusted for number), averaged for all of her individual lactations. The average days in milk, the number of lactations of the cow, and her average milk, percent test, Next are presented the month, day, and year in which the cow was born. and butterfat production are presented next.

are listed the index deviations of the cow for milk and butterfat. The "conditions affecting record" (CAR) code, if any, is listed in the column following average butterfat. This code provides some clue as to whether a cow is still alive (codes shown on following page). In the final two columns

Included at the end of the listing of cow indexes is a tabulation of the names and addresses of DHIA herd owners represented. Some herd codes included and addresses since several processing centers did not provide the information. Also, those herds not enrolled on machine processing will not be represented. in the list of cows indexed will not appear in the tabulation of herd owners

S 团 Q 0 U C A R

Interpretation	Dry with no abnormal conditions	Sold, presumably for dairy purposes
Codes	Blank	2

Died or sold for beef

Record terminated by abortion

Nurse Cow

Other sickness

Mastitis

Injury

Ketosis

STATE CODES

55 North Carolina 56 South Carolina 57 Georgia 58 Florida 61 Kentucky	63 Tennessee 64 Alabama 65 Mississippi 71 Arkansas 72 Louisiana	73 Oklahoma 74 Texas 81 Montana 82 Idaho 83 Wyoming	84 Colorado 85 New Mexico 86 Arizona 87 Utah 88 Nevada	91 Washington 92 Oregon 93 California 94 Puerto Rico 95 Hawaii 96 Alaska
11 Maine	16 Connecticut 21 New York 22 New Jersey 23 Pennsylvania 31 Ohio	32 Indiana	42 Iowa	48 Kansas
12 New Hampshire		33 Illinois	43 Missouri	50 Delaware
13 Vermont		34 Michigan	45 North Dakota	51 Maryland
14 Massachusetts		35 Wisconsin	46 South Dakota	52 Virginia
15 Rhode Island		41 Minnesota	47 Nebraska	54 West Virginia

AYRSHIRE

NDEX FAT	96 84 86 119 93	119 833 110 71 120 95 95 95 95 95	75 100 98 98 98	89 110 80 100 1113 1111 87 80 80	87 123 70 101 98	20000	101 87 105 109 126
COW I	2316 2168 2435 2570 2379	2795 2242 2242 2244 2767 2266 2130 2230 2277 2053	2097 2164 2182 2235 2115	2123 2488 2022 2188 2453 2025 2035 2182 2182 2489	2205 2777 2015 2760 2320	26 91 75 75 12	2045 2118 2696 2313 2938
CAR	2		m		m	m	
OF COW	593 510 485 698 639	722 543 776 833 773 773 523 629 462 520	463 537 576 593 580	523 5335 534 549 668 600 625	699 681 547 651 658	37078	631 510 561 650 715
No.	4 W W 4 W C C C C C C C C C C C C C C C	00110 0100 0100 0100 0100 0100 0100 01	3°8 4°1 4°0 4°1	33377 33370 33377 33370	4.1		4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
PRODUCI	14795 13485 14325 16310 16310	17250 14910 19085 22600 18325 14085 12507 12683 12485	12093 12990 13980 14930 13990	13070 14660 14130 13570 14960 14447 15507 16095	17683 16370 14927 17405 16115	363 751 705 662 621	14970 12875 14033 15355 17670
ERAGE NO.	22222	ин 4 ни иммим	42211	m ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	m 2 m 2 2		22622
AVE	305 242 303 305 305	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	245 305 305 305	2977 305 2977 2977 305 305 305	305 305 291 305	09070	305 301 303 305 305
AV.	435 395 485 492	484 418 418 5517 530 530 426 447 3443 379	382 364 411 399	405 406 432 407 407 407 407 407 407 407 407 407 407	474 430 475 493	87770	457 457 4547 454
HERDMATE MILK	10735 9942 9850 111823 12032	11515 10246 12924 13623 12689 10202 9345 11158 8563	9143 9463 10390 10299 9951	9927 10000 11097 9959 10422 11389 11224 11521 11521 11588	11534 10699 12110 11793 12041	973 200 200 222 222 214	11857 9509 9167 11305 11436
ADJ.	21 15 8 25 29	21 15 115 339 21 21 22 22	152 10 32 32	222 111 111 338 338 119 119 115	24 16 20 26	10422	20 15 32 32
DATE A YR	1 59 4 59 6 59 9 58 9 58	1 58 1 59 1 59 1 58 1 58 1 58	7 58 0 59 0 59 8 59 2 59	6 5 5 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	3 58 4 58 1 59 9 58	N N N N N N	5 2 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
BIRTH MO DA	11 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	8 2 8 1 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9223	9 2 11 2 10 2 10 2 10 2 10 2 10 2 2 10 2 2 10 2 2 2 10 2 2 2 10 2 2 2 10 2 2 2 10 2 2 2 10 2 2 2 10 2 2 2 2	10 2 10 1 11 9 2		1231
SIRE	117936 117936 117936 117936 117936	117936 117936 116767 117504 117936 117936 117936 117936	117936 117936 117936 117936 117936	117936 117936 117936 117936 117936 117936 117936 117936	101527 117936 117936 117936	117936 117936 117936 117936 117936	117936 117936 117936 117936 117936
A	रदददद	<< < < <<<<<	*****	નવનવવ નવનવ	<<<< <	<i><u>aaaaa</u></i>	< < < < <
COW	612530 615986 608541 586630 586631	610222 602345 571466 637466 587563 586202 605347 597687 613524	592568 637230 604733 610162 614530	614531 617281 610335 613371 613379 600796 605185 615350 613175	601329 594500 604236 612183 592985	04000	590692 597046 590641 597989
HERD CODE	12139117 12140170 13010418 13010601	13010610 13110217 14160015 14160015 14160015 16069035 21020920 21040123 21040134	21069739 21090088 21090107 21090387 21109091	21109091 21109091 21100092 21100109 21120074 21129231 21139277	21139440 21130666 21140453 21140453 21160017	21200457 21210361 21210361 21210361 21210361	21219647 21220049 21220999 21230847 21230847

HIGH-RANKING PROGENY OF DHIA SIRES

AYRSHIRE

NDEX	106 116 79 115 103	78 105 99 131 82	105 85 107 78	116 102 104 97 88	98 74 92 91 88	122 131 192 72 88	68 100 109 89 103	82 79 115 107 91	106 74 87
CON I	2070 3226 2157 2450 2142	2110 2143 2233 2541 2305	2120 2717 2046 2927 2242	2091 2158 2018 2218 2282	2597 2183 1999 2144 2008	2867 3098 2130 2327 2265	2007 2061 2502 2040 2133	2012 2263 2286 2586 2296 2395	2163 2186 2078
M CAR	~		6)	2			2 28		2
OF COW	611 634 685 667 653	564 629 632 843 637	613 809 515 691 755	725 661 671 563 521	719 639 637 741 732	774 794 760 671 582	442 573 563 454 575	525 578 660 627 581	603 707 563
	44.93.6	84748	889077	444	3.6	4 4 4 . 1 . 1 . 3 . 8 . 8 . 8 . 8 . 8 . 8 . 8 . 8 . 8	4449	4.2	4. 3. 8. 8. 8.
PRODUCTION MILK %	13265 17875 17530 16063 14360	14985 14447 15090 19213 16783	15967 21070 12950 18480 20220	15430 15640 14950 13903 13780	19700 16847 15130 18145 17750	19050 19417 16650 17830 15223	12337 12900 13540 11235 13427	12950 17500 15600 14925 15263	14148 18490 14680
ERAGE NO.	2225	01 m m 4 m	е н е с н	09110	16144	2 4	m = 2 2 5	m=m0m	1 2 4
AVE	305 305 297 218 305	305 294 299 305 293	279 305 217 305 305	305 305 305 305 287	305 305 305 305	302 304 305 305	254 289 296 267 305	291 305 303 305 305	264 305 305
E AV.	417 408 509 464 431	471 458 477 485 535	525 576 405 494 490	520 443 443 416 393	520 443 470 476 476	421 463 545 467 384	381 364 361 322 410	423 474 445 431 450	437 518 420
HERDMATE	10066 10632 12255 11937 10188	11647 11246 11617 11842 13093	12834 14065 10039 12283 12961	12386 11390 11390 10474 9841	13288 10992 11664 11930 11930	10739 11575 12535 10837 9744	9545 9127 8829 8140 10254	10144 12730 11065 110936 11302	11014 12130 10821
ADJ.	112 133 131	13 13 14 27	111 23 9 22 22	15 18 18 14 9	98888	19099	21 7 10 11	23 25 46 60	38
BIRTH DATE MO DA YR	3 28 59 10 14 59 4 12 56 1 22 59 12 11 58	4 16 59 1 18 59 1 27 59 10 18 55 9 13 58	1 15 59 12 23 60 1 30 59 9 25 58 1 6 60	12 17 58 1 21 61 9 8 60 3 10 59 8 25 60	9 25 59 3 31 57 4 13 59 9 19 58 9 9 58	1 13 60 10 30 58 1 30 59 5 7 58 1 12 58	11 26 59 10 21 58 1 1 58 10 19 59 11 8 58	8 23 58 9 21 60 7 12 58 8 2 58 10 14 58	10 15 58 8 26 60 3 16 59
SIRE	117936 117936 101527 117936 117936	117936 117936 117936 110758 117936	117936 117936 117936 117936 117936	117936 117936 117936 117936 117936	117936 112025 117936 116767	116767 116767 117936 112575 96189	117936 117936 117936 117936 117936	117936 117936 117936 117936 117936	117936 106285 117936
V I	र्यव्य	ববববব	~~~~	বৰবৰ	<<<	ৰ ধ	<< <<	44444	444
COW	598351 610021 541742 592500 591458	600221 598157 598159 539192 590836	603931 625310 59522 586878 639470	604279 631916 624625 627275 624137	615823 568989 628337 584507 584504	614066 584509 590670 578364 578571	630705 590703 580103 612326 585155	586867 626830 585461 599090 585154	588014 623354 594667
HERD CODE	21240520 21310333 21350090 21359255 21390575	21400845 21400845 21400845 21429492 21429492	21429492 21429492 21430287 21430483 21430483	21450452 21520002 21520002 21520581 21530166	21560571 23060003 23530107 33050511 33050511	33050511 33050511 33159216 33610510 35109039	41230091 41740052 41740117 41740123 42500007	42500007 42570157 42819031 42819031 42960027	46269006 54319016 63032007

NDEX	69 131 75 57 86	52 52 60 60	88 84 61 64 64	54 44 68 63	440 50 410 410	52 30 59 63 57	9 9 9 9 9 9 9 9	118 52 52 85 67	56 744 744 59
COW I	1500 2337 1637 1559 1817	1392 1383 1396 1946 1981	2086 1794 1727 1905 1409	1992 1598 1755 2055 1745	1592 2057 1559 1611 1567	1534 1502 1619 2023 1752	1513 1666 1418 1446 1429	1355 1905 1888 2488 1705	1761 1341 1855 1616 1608
W CAR				2 22	œ				2.2
OF COW FAT (696 767 675 702 683	646 567 643 694 685	747 815 525 503 546	497 580 552 586 580	554 534 534 534 534 534	519 592 474 592 571	505 497 651 707 644	620 751 600 738 730	548 597 598 424 457
110N 0	8 - 4 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	4444	4 4 4 4 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	4444 046.0 046.0	97.6.44	44.5	9.4.4.6.9	4.5 4.2 5.5 5.1	4444
RODUCTION MILK %	14645 15156 14717 15510 14150	14260 12955 14110 16155 16275	16220 16600 11870 11945 11765	12440 13260 11270 13760 12230	12060 15770 10330 12410 11520	10790 16920 10048 13300 12085	0915 0690 3382 4298 3813	13066 14560 14150 16570 14380	1890 3383 2240 0197 9915
144	25624	22222	6444			2-4-2	742	<u> </u>	28282
AVERAGE AYS NO.	305 305 305 305	305 305 305 305	305 305 305 305	305 180 305 299 278	305 305 305 305	304 305 305 305	305 305 305 305	305 305 305 305	305 305 305 230 182
AV. AT D	v w v a o	91-466	64 H H W	40400	95055	01284	20000	4000	20021
11	64 44 65 84 84	50 446 51 51 52 52 52 52 52 52 53 53 53 53 53 53 53 53 53 53 53 53 53	24 8 8 8 8 9 9 9 9	377	40044	444 388 474	53 53 53 53	240040	35
HERDMATE MILK F	10296 9917 10467 11358 10055	10715 9399 10551 10713	10940 9788 8805 8763 8450	8070 10830 8070 9078 9078	9662 11078 8354 9916 9243	8902 9967 8021 8777 9437	9101 7926 10141 10826 10544	9990 10359 10292 9758 11424	9209 9188 9233 8129 7767
ADJ.	111 133 133	15 14 36 36	28 113 15 6	3 7 111	14 26 5 22 15	13 4 11	33 19 7	16 17 29 12 27	10 17 17 18 18
DATE	59	59	58 60 60 56	60 60 60 60	099	60 59 59 60	54 53	54 59 60	60 00 00 00 00 00 00 00 00 00 00 00 00 0
IRTH MO DA	1 23 12 20 4 9 6 26 7 23	9 2 12 8 5 3 9 9	8 5 2 10 11 1 4 6 10 26	4 18 4 16 4 17 1 30 12 25	12 14 9 19 1 10 10 20 8 20	6 25 9 20 12 31 6 19 1 30	12 21 2 4 8 1 6 10 10 27	9 12 8 28 12 21 5 12 2 15	3 19 10 19 1 22 12 15 9 9
SIRE B NUMBER	495687 495687 459489 504702 523029	523029 504702 523029 523029 523029	533312 504702 505970 505970 516969	505970 505970 505970 505970 505970	505970 505970 505970 505970 505970	505970 478506 505970 505970 505970	505970 505970 483126 483126 483126	483126 475595 505970 505970 505970	505970 484916 505970 505970 505970
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COW	1939724 1645648 1892363 2052375 1823462	1939797 2008369 2049888 1974865 2000991	1914986 2121119 2028949 2036393 1787490	2014092 2074423 2014091 2052604 2052603	2066499 2069451 1989511 2038739 2046848	2053813 1962313 1870261 1956298 1999063	2010601 2097058 1606255 1810701 1546007	1606258 1879936 1983839 2094889 2056698	2024042 1568099 2013371 1976473 2030862
HERD CODE	11159009 11159009 11159011 11169005 11180179	11190024 11210036 11230007 11239023 11239023	11239023 11239023 12160149 12160162 13029055	13040110 13040110 13040110 13040110	13049309 13049311 13049457 13090601	13090601 13140020 14100243 14100243 14129401	14149038 14140053 14149066 14149066 14149066	14149125 14149125 14150015 14159117	14159307 14160003 14169009 14170030

INDEX	70 42 60 60 59	4 50 50 50 50 50 50 50 50 50 50 50 50 50	925 921 921 931	23 71 55 47 36	44662	51 75 75	65 65 67 67 67 67	68 75 75 46	988
COW I	1850 2055 1817 1836 1447	1636 1509 1627 1805 1492	1741 1874 1532 1570 1825	1452 1913 2054 2332 1411	1951 1828 1402 1800 1651	1840 1451 1666 2218 2088	1794 1586 1641 1568 1792	1860 1589 1906 1717 1488	1803 2098 1791 1789 2286
CAR			2	т	m			m	2
OF COW FAT (614 590 553 501 604	453 493 580 632 557	899 617 528 501 442	517 696 679 663 559	601 624 565 572 580	645 508 508 646 727	585 616 744 490 617	610 641 711 600 649	726 710 657 639 761
	5.2 4.1 4.3 4.6	44444	4444	4 4 4 6 8 9 4 4 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	44444	4444	44.00	4.0 4.0 4.0 4.0 4.0	4.5 5.2 4.9 5.1
PRODUCTION MILK %	11920 14330 11710 11725 13117	10730 10610 12185 15020 12680	19800 13448 12005 12157 10360	11970 14610 15115 16495 11870	13075 12910 11523 11660 12860	14350 11010 11535 14520 14475	12920 12208 15710 10904 12800	12990 12030 14635 12515 13870	16060 13770 13305 13210 14970
VERAGE NU.		H W 4 H N	14466	mm200	22521	6 6 2 3 1	N N H N H	4404m	m4400
AVE	305 305 305 305 305	305 305 305 297 305	305 305 303 211 304	302 305 305 304 262	293 305 267 305 305	305 293 305 305	305 305 305 305	305 305 301 292 304	305 249 305 305 305
TE AV. FAT	425 442 373 393 447	396 415 498 516 407	663 545 515 506 363	528 565 587 602 530	487 507 521 420 523	552 442 433 514 543	521 510 486 449 451	463 465 551 519 539	577 518 526 535 541
HERDMA	8249 9650 8204 8784 9342	8116 8861 10136 11571 8832	13601 10714 10218 10227 7662	10393 11649 11413 11827 10420	9733 9998 10097 8845 10171	10729 9436 9188 10954 11249	10466 10300 9768 9044 9415	9271 9644 11449 10217 10492	11740 10416 10802 10434 10461
ADJ.	14 21 20 10	18 13 27 15	6 18 13 15	14 14 14 12	21 21 12 5 31	67 20 30 9	14 17 15 14 21	25 28	15 17 14 21 21
RTH DATE O DA YR	3 27 61 1 10 60 1 28 60 1 18 60 1 25 56	1 27 61 3 2 59 9 3 56 2 16 60 4 19 59	4 7 54 3 16 55 8 27 57 4 16 57 1 21 56	4 16 59 0 2 57 7 5 60 1 2 60 1 2 55	9 14 59 8 21 60 0 30 59 1 28 56 3 15 61	4 4 60 9 22 57 1 3 60 4 1 55 1 29 55	7 26 55 4 18 55 1 28 61 2 15 56 1 29 60	7 24 61 4 24 61 7 10 59 2 15 56 0 4 59	6 10 58 1 1 56 0 2 57 8 15 59 7 11 59
SIRE BI NUMBER M	\$05970 \$05970 \$05970 \$05970	505970 505970 505970 505970 1	422711 505970 505970 505970 505970	\$05970 \$05970 \$05970 \$05970 \$05970	505970 505970 505970 505970 505970	505970 505970 505970 505970 505970	505970 505970 526294 505970 1	505970 505970 505970 505970 526294	526294 505970 505970 505970 505970
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COW NUMBER	2083183 2117286 2013116 2013115 1878371	2078402 1937127 1783111 2079581 1966744	1575732 1657594 1821330 1835496 1715125	1966743 1858023 2079753 2008821 1852948	1997905 2058301 2015578 1715438 2096474	2023646 1821327 1989533 1643759	1833569 1878663 2140797 1767675 2034211	2103381 2103378 1987320 1804790 1970904	1915940 1722924 1855818 1992389 1970715
HERD CODE	14179037 14180208 14189211 14189211	15110153 16029051 16029051 16029051 16029051	16020217 16049003 16049003 16049003	16069026 16069026 16069026 16069026 16069026	16069034 16069034 16069034 16060036 16069036	16069050 16060061 16060067 16069069 16069069	16069115 16069115 16069115 16069116 16069116	16069122 16069122 16069122 16060142 16060142	16060145 16060145 16060145 16060145 16060145

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DHIA
OF
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NDEX	70 85 73 66	44 45 41 57	54 36 59 44 84	45 61 53 77 50	63 47 44 44	0 4 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6	44 49 24 61 83	97 54 52 132 74	106 87 63 115 69
COW I	1865 2161 1790 1938 1469	1618 1594 1513 1868 1920	1865 1386 1585 1518 1327	1453 2243 2030 2252 1619	1829 1700 1404 1427 1784	1572 1554 1699 1425 1836	1466 1743 1541 1898 1748	1457 1770 1615 1941 1322	1706 2087 1614 1767 1499
CAR	2				8	m			~
OF COW FAT CAF	610 617 650 683 683	401 449 436 592 629	596 548 634 708 640	477 525 498 553 520	539 431 468 398 507	475 483 473 550 553	542 584 523 631 890	967 519 490 724 661	744 651 733 666 734
	5.1 4.7 4.6	4444	4444 L 4	4 + • • · · · · · · · · · · · · · · · · ·	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	444 V 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	4444	0 4 4 6 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	04404
PRODUCTION #	12075 12177 13864 14855 15470	9530 10180 9700 12955 12830	12640 12730 13820 15460 14810	10157 12570 12067 12508 11510	11635 10710 9948 9257	10320 11010 11483 10905 12730	11675 12700 12285 13170 20310	19300 11440 10990 13827 13756	14247 15600 16750 12826 15880
VERAGE NU.	2 まら 2 =	11040	20044	www4=	N=4m=	20442	7-77-	14161	72152
DAYS	305 305 305 198 305	305 305 273 305 287	305 302 299 305 305	299 305 305 302 289	305 305 305 267 279	302 304 255 304 305	305 305 301 305 305	305 303 286 305 305	280 305 305 304
E AV. FAT	468 442 486 491 482	340 387 394 506 464	473 467 464 496 496	424 423 421 412 429	422 367 411 346 434	372 415 447 449 469	491 499 540 520 598	609 441 391 450 523	491 431 483 419 533
HERDMATE MILK	9034 8470 9850 9239 9594	7005 7773 7885 10238 9595	9598 9658 9649 10121 9504	8577 8618 8754 8728 8977	8718 7778 8517 7756 9253	8300 9052 9235 9416 9788	10023 9556 10373 10013 12922	13096 8993 8480 9580 10919	10112 9281 10295 8824 11535
ADJ.	22 7 4	3 11 11 53	4 4 4 4 6 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	12 9 12 6 10	8 6 8 6	17 19 11 13	14 6 5 6	18 2 14 19	18 16 25 19 9
BIRTH DATE MO DA YR	4 21 56 9 9 56 6 19 55 2 18 60 1 18 61	9 18 57 5 2 59 3 13 59 2 20 57 3 12 60	1 21 56 2 12 59 3 14 60 3 9 60 6 3 61	12 5 55 10 9 55 1 1 57 9 25 55 1 9 60	11 5 56 3 24 61 7 31 57 10 14 55 12 11 60	9 24 57 10 12 57 3 1 55 10 21 56 7 24 59	11 11 59 12 30 56 8 16 59 7 17 59 1 1 61	8 28 61 10 27 55 2 27 56 8 24 58 7 16 56	8 18 54 11 -24 58 1 2 61 2 12 56 9 23 59
SIRE	505970 505970 504932 530228 530228	505970 505970 505970 505970	505970 526294 526294 526294 548777	505970 505970 505970 505970 505970	505970 505970 505970 505970 505970	505970 505970 505970 505970 505970	505970 505970 505970 505970 496783	506918 505970 505970 528754 503512	497410 503512 510634 503512 540888
V H	ææ	****	4444	4444	****	বেববব	ररदर्द	< e < e < e	4 4
COW	1750739 1778070 1661559 2016049 2177197	1857219 1971359 1955542 1787682 1997375	1906956 1972614 1997376 1997373 2090843	1715708 1715706 1803554 1876564 2018217	1789405 2125126 1827745 1716058 2130876	1849026 2109965 1668246 1789020 1998695	2008382 1780898 1985256 1985254 2034145	2114839 1724635 1741175 1940621 1901087	1618048 1931360 2088261 1735678 2135022
HERD CODE	16060181 16060181 16069221 16069251	16060253 16080004 16080004 16089053	16089053 16089053 16089053 16089053 16089053	16120017 16120017 16120017 16120017 16120017	16120017 16120021 16120021 16120056 16120084	16120089 16120090 16120102 16120102 16120102	16120102 16140068 16149068 16149068 16140077	16140077 16160003 16160137 21019873 21039518	21030530 21050150 21059221 21050383

NDEX	38 69 92 116 56	63 124 69 38 44 78	104 102 102 93 89 89 103 70	53 71 71 105 105 70 70 99 99 61 89	56 61 61 61 64 64 63 63 63 63 64 63 64 63 64 63 64 63 64 64 63 64 64 64 64 64 64 64 64 64 64 64 64 64	90 82 40 99 67
COW I	1618 1335 1633 2075 1313	1473 1723 1431 1420 1401 1391	2170 1982 1892 1420 1395 1669	1403 1479 1450 1409 1776 1628 1347 1785 1672	1619 1391 1422 1513 1752 1752 1752 1692 1465 1472	1968 1970 1370 1537 2107
CAR		m	00			2 2
OF COW	650 647 659 467	503 608 632 596 596 556	630 630 630 645 645 680 659	609 640 663 668 784 708 673 772 645	553 709 627 685 741 594 679 640 777	711 725 659 770 698
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TE AV. FAT	508 511 476 431 345	384 517 482 498 451 464	496 496 468 417 356 491	484 476 476 535 479 430 450 534 438 438	395 479 415 531 550 430 458 510 495	503 542 538 538 528
HERDMATE AV	10443 10286 9483 8486 7101	8164 10216 9581 9925 9918 10712 9188	12051 10464 10389 9960 8890 7696 10668	9850 9108 8917 10073 9486 8737 9212 10385 10292	8455 9748 8400 10867 10832 8923 9509 9774 9774	9052 9562 11189 10889 9890
ADJ.	110 110 8 39	22 4 8 8 21 14 10	26 3 3 3 6 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 19 19 34 38 60 60 64 28 12 12	20 26 14 10 10 29 113	28 8 17 11 15
BIRTH DATE MO DA YR	2 22 57 9 8 59 4 26 59 4 2 59 12 6 58	30 5 10 5 24 5 24 5 9 6	9 17 60 10 21 58 3 29 59 2 21 59 4 4 61 1 5 59 9 1 56	2 21 58 10 29 53 1 8 59 12 12 57 12 1 59 10 1 60 10 18 56 10 18 56 10 18 56 10 18 56 10 18 56 10 18 56 10 18 56	1 27 57 11 15 60 8 14 61 6 1 57 6 5 60 5 20 58 3 25 61 5 28 59 12 17 56 1 12 61	1 21 60 12 22 53 1 23 60 9 19 57 10 21 57
SIRE B NUMBER	503099 536475 528754 528754 475595	475595 528754 503512 543818 512974 510634 536475	543818 503512 528754 528754 539421 528754 510634	422711 478611 524304 524304 524304 524304 524304 459489 509303	515501 422711 533774 515501 536994 515501 545591 525969 518624 539442	539442 440484 530228 524993 510634
A I	বলবৰ	<i>4444</i> 4	 	< ∢	4 44 444	
COW	1789802 2063547 1940149 1940148 1961168	1971006 2041939 1712127 2028837 198536 1825683 2023022	2134681 192442 1929442 1930584 1955718 2080995 1921960	1879797 1540081 1939204 1831396 1975236 2033022 2033031 1775636 1746704 1844969	1967815 2113173 2133001 1818858 2041153 1908299 2092968 1944018 1777559 2062126	2013012 1581053 2016046 1849564 1858585
HERD CODE	21130004 21190479 21210945 21210945 21230342	21230342 21240219 21250012 21299144 21309079 21310094 21310286	21339223 21409866 21430057 21430185 21470330 21520216 21559275 22109086	22109086 22109129 22109129 22109129 22109129 22109129 22230045 22239046 22239046	23050041 23060061 23060084 23070001 23070001 23080057 23080054 23140184 23156001	23156001 23156002 23150052 23150453 23150453

HERD CODE	COW	V H	SIRE	BIRTH DATE MO DA YR	ADJ.	HERDMATE MILK	FAT	DAYS	VERAGE NO.	PRODUCTION MILK &		OF COW FAT CAR	COW I	I INDEX
23160004	1890862	•		1.5	22	10280	462	296	6	618		626	2418	73
23170028	83091	<		31.5		1	413	301	۰ ۸	165		551	1315	י ני
23210012	1620972	<	459489	7 4 54	~	8934	441	302	9	12218	4.5	550	1457	26
23220048	1727351		~	13 5		8673	406	305	4	223		531	1513	53
23280154	1838570		512193	1 5	13	2	430	303	2	377		574	1472	20
22210001	1753006		614461	1 4 5	3.2	10103	4.8.1	305	4	7.7		767	1643	42
7 6	1003667	•	1	1 24 0	35	- 4	101	100	۲ م	2 0	•	270	1200	70
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23350017	1917268		518090	14	32	10169	483	305	2	695		824	2341	118
23350017	2028538		518090	4 28 6	45	10014	487	305	-	15890	4.4	269	1454	53
23350017	1861084		60	24 5	34	9450	445	305	2	405		701	1589	88
23350017	1796249		518090	2 5	30	9465	144	305	7	945		884	3445	151
73350017	1861085		60	٠ ص	34	10040	4/6	305	٠	459		659	1 798	12
23350017	2019412	<	525969	8	56	~	503	305	-	651	4.5	741	1402	35
23360076	1526782	A	48	25 5	15	57	377	305	S	135	4.7	536	1643	73
23360092	1673736	*	8	12 5	11	28	410	302	æ	153	4.6	530	1446	58
23360264	1932762		525833	3 5 59	10	10348	514	305	7	14925	4.9	734	1579	16
23380136	1957505		38	25 5	16	49	512	305	60	413	4.7	499	1436	09
23380136	1961921		α	20 5	2.5	11443	5,40	305	-	723	7 7	146	1444	52
23400042	1506868	٧	8 9	17 5		7499	367	294	4 40	072	7	603	1436	7 7
23410001	2013417	t	539419	1 14 60	· 00	10011	514	305	۰ م	14130	5.2	740	1421	78
23410001	1982336		41	6 5		09	567	305	~	606	4.4	837	2818	93
23410001	2033654		41	1 6	15	10622	570	305	-	793	4.7	837	1827	29
23410001	2033651	,	539419		14	10268	558	305		17760	ر ا ا	937	1873	95
23430025	1855882	<	38	16 5	⊒;	4	411	305	2	380		m (۰ و	
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23660028	_	· <	96	1 5		9306	. 5	305	2	448		685	1625	17
23670075			522908	1 16 58	18	11056	568	296	2	15705	5.1	805	1604	82
23670245	_		59	8 5	21	10046	9	305	7	425		687	1452	78
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31499041	2095432	٧	16	7 6	_	34	295	305	-	751		3	3	20
31549038	2051585		531573	9 12 59	2	9851	450	305	~	17460	4.7	824	1905	56
31540038	2051583		25	1 5	2	01	355	305	1	276		-	4	06
31570840	1793794		3	6 5	3	63	562	305	-	198		7	3	45

	NDEX	77 83 72 57	70 113 76 89 66	79 109 118 91 88	64 120 107 74 92	71 77 77 74 89	73 123 84 60 69	74 132 56 90 78	70 68 59 67	73 77 107 45
	COM II	1407 1378 1399 1716 1778	1406 1676 1332 1524 1827	1465 2242 2233 1373 1799	1388 2193 1453 1476 1950	1349 1592 1801 1455 1537	1689 1729 1454 1315 1569	1403 2287 1333 1828 2290	1321 1353 1332 1560 1360	1341 1382 1528 1558 1492
	W CAR			~						8 .
	OF CO	674 626 633 616 828	698 680 576 728 673	7111 828 754 771 771	709 839 782 726 805	549 744 822 795 753	712 786 715 598 707	682 823 549 890 811	916 652 521 640 658	571 648 761 572 582
	N011	6.4444	0.00.00 0.00.00 1.00.00	5.0	. 4 . 6	4.9 4.5 7.1 5.3	45044	0 4 4 0 4 0 4 8 0 0	5.0	66664
	PRODUCT MILK	12800 13255 12885 14563 17280	13863 12303 11063 13673 16460	13710 16675 14775 13220 15530	13820 15657 13458 13630 15670	11297 16610 17530 15730 14120	15870 13887 14300 12295 15180	13543 15627 11505 17830 18115	18030 13960 11555 12730 12050	10695 12557 13967 13258 13940
IRES	VERAGE NO.	13261	4000-	22412	M M O O V N		15361	45000	2	ପଳ୍ପକ୍ୟ
DHIA S	DAYS	305 305 305 305	292 305 302 305	305 305 305 305 305	305 304 305 305 305	293 305 305 305	305 305 305 305	305 305 305 305 305 305	305 305 305 305	305 258 304 299 305
ENY OF	TE AV.	451 465 424 490 552	534 393 384 540	483 512 496 477 581	587 588 565 584 608	396 493 515 583 470	507 526 502 422 524	547 513 386 630 585	635 454 400 461 451	403 469 465 434
NG PROG	HERDMA	8849 10097 8829 10073 10930	10554 8060 7692 10627 10411	9463 10176 9919 9438 111144	10880 111126 10883 10729 11333	8299 10241 10326 11541 9518	10509 10583 10619 8394 10418	11007 10252 7642 12532 11478	12746 9741 8456 8337 8578	8176 9078 10099 9593 7868
RANKI	ADJ.	26 113 115 8 8	52 21 9 7	18 2 2 6 17 5	9 8 10 6	17 15 15 19	13 20 23 3	25 4 115 34 38	37 6 12 9	114
HIGH-	BIRTH DATE MO DA YR	11 27 60 5 15 58 9 18 59 8 28 58 4 8 59	10 19 57 3 2 57 1 26 58 7 17 54 10 12 60	2 21 59 5 30 58 6 1 56 10 9 58 8 21 55	12 10 55 3 19 54 11 15 54 1 29 58 10 15 55	3 8 55 9 9 59 11 13 57 9 5 61 12 13 59	3 31 60 12 14 53 11 7 57 3 3 59 9 1 60	10 15 57 10 10 58 10 6 59 12 28 58 5 27 60	1 15 61 7 30 59 9 23 56 5 5 61 3 12 61	7 1 59 10 3 55 3 15 58 9 4 57 9 20 55
	SIRE	475595 503356 528231 459489 422711	506459 518035 528343 475595 475595	535901 528424 475595 475595 475595	475595 475595 475595 475595 475595	459489 535016 526747 475595 475595	475595 475595 528424 440484 475595	475595 512215 529027 533769 533769	533769 512215 512215 546390 546390	518026 459489 526134 526134 459489
	V	4 4	∢	4	<	4 44	< <<	<	4 <	« «
	CON	2070792 2004869 1986642 1928172 1961560	1851126 1952724 1856689 1615758 2077862	1943174 1940699 1746682 1939005 1702673	1725805 1615757 1651760 1869059 1714735	1660520 2002638 1869055 2182888 2014174	2014540 1581532 1869324 212342U 2022823	1834569 1919598 1995666 1956000 2030685	2059181 1972624 1759386 2088970 2091438	1966626 1715544 1905968 1855853 1903359
GUERNSEY	HERD CODE	31709028 31740735 31760835 31819010 31850059	31850059 32060040 32180041 32200112 32200215	32209284 32200287 32209321 32200534 32200905	32200905 32200905 32200905 32200905 32209922	32250040 32330320 32380652 32380652 32440325	32449963 32500161 32500323 32509333	32929531 33050171 33110740 33210672 33210672	33210672 33280140 33350614 33360512 33360512	33410516 33410671 33500140 33500142

		HIGH	HIGH-RANKING	· <u>a</u> .		DHIA SIRES							
A SIRI	w iii	BIRTH DATE R MO DA YR	ADJ.	HERDMAT MILK	E AV.	AVE	ERAGE NO.	PRODUCTION MILK %		OF COW FAT C	CAR	COW IN	NDEX
54445 A 53377 A 50297 A 47559		0 7 16 61 3 11 16 60 3 2 17 61 9 7 11 56 5 9 10 59	13	8959 8484 8201 10062 9727	431 424 487 482	296 305 305 305 305	22	14520 14660 13760 18340 12920	00-27	586 581 648 819 604		1390 1714 1581 2450 1460	0 4 4 0 4 0 4 0 4 0 4 0 4 0 4 0 4 0 4 0
4444475 4775 4775 4775	20 20 20 20	11 13 59 1 15 59 1 1 60 2 6 58 12 26 60	8 7 E 8 8	8238 9461 10569 10399 6423	417 460 493 487 308	299 305 305 174 305	1222	10955 12275 13355 13360 10330	47.1.4	594 580 676 598 562	m	1325 1352 1344 1394 1398	79 63 81 83
A 475595 A 475595 A 475595 A 475595 A 475595	0101010101	3 12 58 4 24 58 1 23 60 10 30 57 7 1 58	2 115 119 10	9340 9677 10177 10187 10289	439 479 507 497 517	305 294 305 238 263	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	12010 13083 15030 12890 13080	44V4V 86.100	576 566 767 591 659	N 60	1400 1643 1588 1411 1346	72 56 84 58 69
A 475595 A 475595 A 475595 A 475595	20 20 20 20	9 10 60 6 18 60 9 17 58 9 7 58 7 1 57	00400	9801 7696 9207 9507 10383	493 400 450 433 518	305 305 305 305	12221	13630 12005 12725 12660 14770	24.046	662 510 661 557 789		1383 1777 1552 1448 1494	66 60 89 44 86
A 475595 A 475595 A 475595 A 475595 A 475595	מממממ	7 10 59 6 27 59 9 20 59 9 5 57 12 7 60	10 10 12 14	7834 6363 10200 9612 9675	404 311 506 466 497	296 300 305 286 305	13223	10293 10015 13355 12223 13570	4.9	508 486 566 627 632	m	1330 1590 1449 1381 1396	61 79 46 80 80
A 475595 A 475595 A 475595 A 475595 A 475595	מטטטטט	1 24 58 12 9 57 12 11 58 11 23 57 5 14 58	112 115 113 27 28	9143 8132 10698 10269 9351	456 374 527 479 471	305 305 283 305 301	e-12e4	11730 14210 13455 12730 12375	2444 2000 1000	564 656 610 572 629	М	1373 1833 1336 1331 1578	6 6 7 8 8 8 8 8 8
A 475595 A 459489 A 475595 A 475595	NO NN 4	11 23 59 10 28 53 8 14 58 4 6 60 8 13 53	45 4 11 6	9804 9840 6907 9770 10112	485 451 332 502 492	305 305 305 305	75777	12555 14998 10050 13600 15150	4.6 4.6	659 656 517 706 699	m	1334 2166 1446 1383 1640	78 90 92 73
440484 525463 A 475595 A 475595	<u>ተጠየሰው</u>	10 18 54 9 7 58 6 18 60 4 4 58 2 6 60	26 17 21 11 10	111138 10619 10625 9809 10393	573 527 479 485 510	305 305 305 305 305	22162	16420 16095 14180 12410 14950	46.00	760 853 720 554 709	m	1710 1889 1328 1377 1847	63 112 80 50 86
A 475595 A 475595 A 475595 A 475595		8 30 57 9 10 57 1 11 58 10 24 57 1 8 61	10 8 16 11	9401 8532 10777 10063 9602	461 409 547 500 501	305 304 304 305	22881	13090 11245 13740 13587 13290	4.4.4.4.4.8.9.4	582 523 681 654 635		1601 1323 1497 1682 1355	63 71 78 78 59

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COW	1396 1564 1832 1355 1915	2197 1440 1337 1604 1350	1414 1473 1614 1596 1330	1540 1466 1614 1558 1631	1809 1446 1565 1578 1378	1583 1796 1732 1395 1357	1463 1409 1800 1359 1531	1319 1481 1510 1417 1404	1372 1902 1528 1324 1955
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OF COW	606 740 630 532 646	624 614 640 653 566	536 540 653 738	562 568 591 581	699 630 462 514 470	499 692 771 548 494	482 555 646 511 570	574 661 607 644 470	531 704 591 589 625
	04444 60000	4.0 5.0 4.1 6.0	4 0 0 4 0 4 0 0 0 0 0	5.1 5.1 4.7	04444 080 080 080	4444	4444	44404	40444
PRODUCTION MILK %	1455 5960 3140 1505 3360	3697 1877 2870 3950 2283	2260 0885 2415 1903 3375	2330 1600 1503 2465 1303	3898 3070 0180 1950 1100	1945 5520 6310 3083 1840	2200 1735 3978 1060 2923	2920 4080 3490 3000 1690	2368 3073 3840 2743 2690
111	======	2222	22222	22222	2221	22222	22222	22222	2222
AVERAGE S NO.	41040	m m N N m	14040	m m m n m	94000	24462	31621	11401	4 E I E S
AV	295 305 305 305 305	305 216 305 305 305	293 303 295 305	305 305 305 180 300	305 305 305 305 295	305 305 305 305 303	300 300 300 300 300 300 300 300 300 300	305 305 305 305	305 305 305 305
AV. FAT	443 529 408 425	422 469 499 505 471	425 412 436 415 478	481 449 417 432 410	461 463 374 431 424	427 512 578 530	372 448 468 423 432	468 495 471 416	469 419 463 463 397
ATE						4 6/6/5/1/			
HERDMATE MILK	8938 11224 8637 9103 8565	8611 9086 10111 10248 9765	8275 8153 8678 8828 9419	9235 8730 8186 9217 8435	9564 9496 7250 8978 8882	8954 9626 11762 10912 7937	8438 8987 9787 8316 8992	9834 10230 9894 9822 8728	9917 8881 9768 9408 8430
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HERDMATE AV MILK FAT	10685 10088 8701 9102 9719	8698 8187 7453 9271 10029	9093 6622 9638 10325 8742	9312 10624 8956 9478 9439	9051 9769 9971 7785	8232 6986 6986 8912 7088	8092 9641 9250 8275 11971	9710 9598 10028 10439 9894	9762 10274 9099 10648 9737
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HIGH-RANKING PROGENY	HERDMAT	14571 10671 12944 12066 15053	13814 13730 12963 12540 15078	14705 12977 12227 12077 12613	12870 15622 12599 14921 14037	15385 12911 12374 14219 14175	13451 12967 13262 14467 15454	16020 11992 13318 11576 15192	13760 13521 13573 14603 14333	13229 14679 15276 13695 12856
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FAT CAR PRODUCTION OF COW 635 555 745 724 775 778 708 587 688 698 607 654 749 674 826 761 831 693 612 612 764 727 696 757 782 785 714 738 988 601 802 849 0 0 0 0 P € € € €€ € € €€ € € €€ € €€ € €€€€€€€€</l 3.69.7 98098 33.45 9-2 21225 18957 20920 17710 19140 17103 16765 21577 19770 21120 20145 23190 15013 20373 18880 26850 MILK 18770 16207 20898 18706 20630 18380 18607 17945 17065 AVERAGE DAYS NO. DHIA SIRES m 4 m 2 m 300 232 305 305 305 305 305 305 298 305 295 305 305 305 305 305 305 221 250 250 300 305 298 293 187 305 287 283 305 304 304 297 305 0F 560 535 472 559 529 491 490 AV. FAT 546 447 572 459 500 483 480 404 5560 554 555 552 575 546 589 526 410 564 539 540 501 550 671 495 424 587 587 HIGH-RANKING PROGENY HERDMATE 15745 13727 12420 12367 13452 13179 13652 11036 14304 12766 14427 11685 14133 11890 13876 11156 15321 15484 15193 14550 15408 ADJ. 20 20 99 27 18 18 119 22 22 22 23 33 33 84 330 46 26 18 16 16 17 61 74 74 38 72 52 49 87 BIRTH DATE MO DA YR 58 58 58 58 58 58 58 58 59 58 58 59 59 60 60 60 60 59 59 59 58 50 50 23 11 4 4 15 15 20 20 8 2 28 15 117 111 111 9 6 6 8 7 12 9 9 --405 - 0001 12 12 8 8 5 7 m N SIRE NUMBER 1112211 1242278 1239886 1206797 1112211 1085978 1189870 1189870 1094305 1148087 1199324 1269665 1273756 1121706 1121706 1192713 1192713 1273756 1273756 1273756 1273756 1273756 1273756 1325017 1288194 1273756 1273756 1189870 1278549 1273756 1341149 -< < < < < < < < ⋖. • 5022962 4316209 4065579 4621186 4940930 5224185 5224189 5224193 5023895 4998830 COW NUMBER 4554367 4668558 4929828 5224335 16049002 16040012 16040013 16040022 16040022 16040102 16040113 14140186 14159322 14160004 14160004 14160113 14160201 15110111 15119122 15119134 15110139 15130113 15130113 15149122 15149122 16049002 16049002 16049002 16049002 CODE **4OLSTEIN**

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	COW	1826 2133 2170 2644 2299	2418 2420 2233 1979 1729	1865 2107 2104 2168 1719	1775 1868 1832 1737 1982	1838 2526 2227 2050 2001	2176 1784 2387 2333 1927	1954 1761 1725 1757 1761	1908 2089 2216 1832 2339	1788 2422 2032 2246 2085
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0.F	TE AV. FAT	540 490 519 556 546	551 513 686 453 507	474 466 462 469 527	585 590 577 561 428	565 475 509 562 534	483 473 676 554 486	469 471 503 448 504	430 486 536 581 439	492 487 539 497 458
G PROGENY	HERDMA	14162 13676 15069 15435 15285	15451 13938 18374 12475 13949	12633 12686 13806 13888 14536	15986 15859 15736 15024 11799	15131 12872 13730 15108 14593	13491 13129 18179 14845 13384	12035 11676 13476 11616 13314	12129 13437 14501 15648 11935	14441 13507 14548 13095 13094
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	SIRE	1085978 1049547 1085978 1085978	1085978 1085978 1085978 1085978	1085978 1085978 1085978 1278644 1085978	1085978 1085978 1085978 1348259 1085978	1085978 1085978 1112211 1085978	1085978 1085978 1085978 1085978	1085978 1085978 1245520 1085978 1085978	1085978 1085978 1085978 1085978	1049547 1049547 1085978 1085978
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COW INDEX	2588 1971 1812 1922 2207	1720 2018 2403 1965 1742	1839 2014 2504 1979 1920	2183 1713 1715 2325 1801	2140 1712 2089 1718 1863	1974 2314 1812 1839 1783	2234 1800 3264 1725 1986	1758 1733 2128 2685 1779	1894 2406 2015 2742 1788
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OF COW FAT CAR	690 638 506 566 637	609 781 669 664 681	602 639 784 793 760	681 629 724 759 637	813 703 693 722 524	721 823 703 756 698	725 559 778 731 791	658 672 692 785 659	660 604 758 880 717
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TE AV. FAT	516 455 359 472 437	511 546 517 513 580	501 448 548 586 565	567 541 541 542 541	583 594 545 680 477	467 586 589 601 568	574 474 458 643	527 548 569 536 521	546 473 549 595
HERDMATE AV MILK FAT	14395 111896 10332 12638	13909 15559 14350 13583 15023	13713 12518 14836 15764 15029	15150 14923 14923 14934 14923	16159 15420 14219 17219 13174	12778 15802 15466 15594 14915	16302 13053 13100 1631 16431	14246 14770 15213 14323	14615 13473 15605 15829 15344
ADJ.	14 17 11 11 11 11 11 11 11 11 11 11 11 11	41 52 54 21 18	17 111 9 7	111 40 40 339 40	26 19 18 10	17 31 41 12 14	36 37 35 36	18 20 20 15 14	17 17 21 45 25
BIRTH DATE MO DA YR	1 28 59 11 5 60 12 9 60 9 8 58 10 21 61	2 27 59 5 31 58 2 21 57 9 11 56 10 24 56	8 21 60 8 14 56 12 28 58 10 6 56 12 7 59	4 11 57 3 29 60 9 18 60 7 6 60 9 9 59	8 14 58 1 8 61 9 7 57 1 7 61 1 7 59	11 13 60 3 29 57 10 30 57 9 1 58 3 12 55	3 7 58 8 29 56 11 29 53 8 14 58 11 17 58	11 26 57 9 5 57 8 26 58 10 26 56 11 1 57	12 6 57 10 31 58 11 8 59 11 12 57 8 8 58
SIRE NUMBER	1278644 1085978 1085978 1085978	1085978 1085978 1049547 1049547 1245520	1085978 1242163 1065220 1182657 1085978	1049547 1085978 1085978 1085978 1085978	1085978 1085978 1085978 1085978	1154946 1154946 1154946 1223092 1194143	1085978 1049547 1085978 1085978	1112211 1112211 1112211 1112211	1112211 1192713 1179372 1085978 1085978
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COM	4926584 5187686 5311678 4721486 5559355	4899381 4689826 4439121 4462969	5147240 4554211 5159324 4341636 5042880	4661763 5401298 5397743 5203921 5397742	4712967 5325230 4706821 5287721 4825868	5259274 4411384 4555245 4805693 4020676	4905611 4270464 3793560 4825016 4842692	4607289 4607285 4846174 4427618 4607287	4607291 4763157 5038947 4489630 4772267
HERD CODE	21120398 21120427 21120428 21120435 21120435	21120455 21120479 21120479 21120480 21120480	21120505 21129515 21120522 21120533 21120663	21120669 21120701 21120701 21120701 21120701	21120737 21120818 21120818 21120819 21130059	21130102 21130159 21130159 21139252 21130268	21130270 21130272 21130282 21130339 21130339	21139371 21139371 21139371 21139371	21139371 21130498 21130616 21130619 21130619

	NDEX	62 95 86 86	95 89 69 79	66 7 5 8 5 7 8 7 8	50 44 50 50 80 80 80	52 72 75 75	77 71 50 50 54	69 45 63 64	61 98 98 61	55 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
	COW IT	1772 1954 2211 2031 2446	2984 1833 2058 1898 2549	2130 1833 2038 2024 1813	2044 2075 1774 2110 2237	1937 1953 1752 2346 1818	2141 1930 1893 1787 2213	2131 3003 1822 2055 2055	2156 1865 2733 2477 2044	1829 1899 1738 2049 2119
	CAR		m	3.2						2
	OF COW	601 701 703 667 760	806 823 674 592 652	663 622 598 630 664	583 607 546 675 779	521 647 664 676 673	660 791 643 688 669	743 774 621 674 686	686 532 717 654 646	714 693 685 871 652
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	PRODUC. MILK	16215 20095 18027 17597 21590	24280 18420 18840 18000 18740	19240 18280 17272 19350 20190	18060 19940 15450 20310 20815	16500 20140 18700 20720 17705	18710 20460 19355 20270 19593	20440 23820 18540 20215 21400	20690 15070 18600 17800 18833	20395 18730 20575 22730 19873
SIRES	ERAGE NO.	22664	ZE	-221-	m 2 2		21216	7 7 7 7 7	нннню	31216
DHIA S	AVE	303 305 305 305 305	305 86 293 292 305	305 304 284 235 305	305 290 305 305 305	305 305 305 305 305	297 305 303 305	305 305 297 303 301	305 281 305 305 297	281 305 298 305 224
ENY OF	TE AV. FAT	470 515 489 474	474 429 464 481 478	468 554 460 473 538	491 540 389 532 561	396 568 522 453 498	476 572 555 572 572	532 595 550 541 502	514 377 364 377 530	567 531 647 639 534
MG PROGENY	HERDMA	12833 14432 13259 13377 13148	13148 11176 13079 13335 13194	13119 14685 12901 13760 15655	14176 15493 111110 14291 14872	11347 14907 14470 13519 14161	14030 15338 15548 15863 14191	14315 16104 14984 15837 14623	14441 10273 9466 9943 14947	15781 13766 17313 17015 15079
-RANKING	ADJ.	22 13 148 164 369	369 102 444 250 199	407 15 13 15 20	11 18 18 16	6 22 21 21 16 17	18 14 22 33 4	26 26 34 7	28 47 44 48 19	25 22 11 10 15
HIGH-	DATE	58 58 58 61	60 61 58 58 58	5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	57 58 60 59 60	58 60 61 61 58	59 60 50 50	57 57 58 60	60 58 58	59 61 57 58 58
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	BIR	11 9 10 11 11 11 11 11 11 11 11 11 11 11 11	611 629	10 1 12 3	10 10 12 1	10 10 10 10 7	4 8 9 10 10	9999	 0 0 0 0 0	7 10 1 1
	SIRE	1085978 1281628 1192713 1192713	1192713 1252934 1085978 1077788	1085978 1085978 1049547 1085978	1085978 1085978 1085978 1085978 1322067	1085978 1085978 1085978 1085978	1085978 1085978 1085978 1085978 1042139	1085978 1085978 1085978 1085978 1216957	1085978 1085978 1085978 1085978 1085978	1282596 1085978 1085978 1085978
	W ii	< < < <	বববরব	***	ব্বব্দ	e eaae	4444	ববব্বক	*****	44444
	COW	4859720 4740970 4762847 4762849 5383604	5268504 5555170 4762835 4642781 4642786	5264122 4664555 4363003 4749892 4913296	4863010 5084838 5302028 4875274 5225597	4762416 5186064 5484746 5446629 4645130	4853649 4803211 5172586 5279187 3314033	5229652 4537200 4537201 4789617 5131444	5108001 5274766 4793099 5274767 4590799	5081862 5378317 4489004 4636977 5054026
HOLSTEIN	HERD CODE	21130672 21139770 21130830 21130830 21130830	21130830 21130830 21130830 21130830 21130830	21130830 21130938 21130940 21130958 21140024	21140024 21140024 21140027 21149034 21149034	21140068 21140127 21140127 21140158 21140158	21140158 21149186 21140214 21140214 21149255	21149397 21149397 21149397 21140403 21140468	21140470 21149680 21149680 21149680 21150012	21150012 21150106 21159301 21159301 21150301

NDEX	46 39 42 90 62	63 61 65 65	38 67 51 35 58	50 70 87 58 99	27 50 96 80 80	53 54 54 62	75 65 30 45	449 440 57 85	49 103 53 47
COM I	2021 2418 1935 3186 1856	2072 2099 1826 1764 1885	2176 2176 2122 1772 2036	2029 2135 2927 1904 1904	1785 1724 2687 2129 1885	1802 2424 2002 1746 1905	2543 1775 1738 1720 1857	1893 1721 2050 2019 2287	2133 2108 1854 1816 2225
E CAR	m m		m	m			ന		
OF COW	653 564 691 805 663	670 722 667 672 528	622 741 675 573 620	552 753 764 662 928	583 595 805 749 763	513 612 688 620 595	731 691 651 449 529	558 615 626 609 686	654 778 608 533 674
	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	88888 88888 88888	W W W W W W W W W W W W W W W W W W W	######################################	3.1 3.6 3.7 3.7	wwwww •••••• •••••	00000000000000000000000000000000000000	888888 88888 88888	33.4.2
PRODUCTION MILK %	19943 19433 22300 24690 18040	19120 21130 20770 19020 16840	19172 21600 20955 17380 18220	16767 21600 23120 19200 20360	18700 16640 20610 20180 20160	14710 19730 20590 17127 18280	22360 18800 18100 14288 16450	16695 17725 18930 18090 19190	20750 18863 17803 16170 18400
AVERAGE 'S NO.	46444		N-44-1	E 2 2 H H		44-6-	640	00460	
AV DAYS	294 304 305 305	305 305 305 305 299	305 305 299 246 305	290 305 305 305 53	305 305 305 304 304	282 284 305 305 305	305 302 305 282 210	303 293 285 295 305	305 302 296 302 305
FAT	582 466 524 490 490	490 554 581 467 497	494 556 498 463	471 596 547 507 471	489 479 554 556 482	382 487 552 500 405	492 499 593 405 452	468 510 530 503 474	544 512 489 456 421
HERDMATE MILK F	16215 13365 14562 13290 13290	13290 15167 16171 13314 13438	13955 15252 15323 13821 12570	12929 16943 15672 14212 13316	12248 12548 14008 15541 13848	10789 14070 15111 13781 11870	141 <i>/</i> 7 14457 15505 11234 12612	12729 14525 14315 14151 13998	14616 13970 13664 12636 11803
ADJ.	112 44 46 46	46 80 18 8	28 21 9 19 17	15 33 26 20 16	14 30 13 26 11	16 17 17 17	22 21 16 16 17	20 22 14 5	23 19 16 11 24
BIRTH DATE MO DA YR	11 9 52 3 5 58 12 27 56 8 12 61 9 18 61	8 31 61 4 16 59 4 22 59 11 25 59 11 11 57	12 26 55 3 28 57 5 8 58 3 18 58 10 28 60	4 15 57 10 1 59 1 13 60 12 15 57 6 10 57	4 14 61 5 10 60 2 26 59 9 13 58 12 4 60	3 7 57 3 14 56 11 21 57 9 17 56 2 28 60	2 26 61 8 25 61 8 23 59 7 24 49 1 29 59	10 13 57 10 25 60 3 24 56 1 1 58 10 5 58	12 3 59 5 25 59 11 5 58 9 4 57 2 3 61
SIRE	1112211 1049547 010248762 1085978 1085978	1085978 1085978 1179372 1085978	1119514 1085978 1124780 1272013 1085978	1085978 1085978 1085978 1085978	1049547 1085978 1085978 1085978 1179372	1049547 1049547 1085978 1242163 1179372	1085978 1085978 1278644 975138	1112211 1085978 1049547 1112211 1085978	1085978 1282596 1282596 1085978 1085978
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COW	3703157 4739368 011356096 5437236 5437239	5437238 4970111 5005029 5069450 4541890	4173809 4666304 4722138 4818015 5313272	4719390 4933030 5070437 4514809 4694922	5354122 5195313 4867445 4671136 5430768	4357495 4232801 4505235 4355724 5209708	\$302237 \$459728 \$192659 3108792 4830581	4581815 5243349 4215431 4566910 4675311	4978742 4890577 4793808 4474897 5374391
HERD CODE	21160426 21160610 21160646 21189010 21189010	21189010 21189010 21180106 21180125 21180126	21180232 21189254 21189404 21180427 21180463	21180463 21190007 21190007 21190021 21199024	21190095 21190713 21190766 21190866 21200037	21200065 21200097 21200125 21200125 21200125	21200192 21200192 21200212 21209300 21209652	21209652 21209654 21200660 21200802 21200886	21209898 21209898 21209898 21210064 21219092

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COW I	1800 1814 1761 2201 2719	1984 2093 2191 2432 1835	1815 2434 1762 2044 2547	1932 2204 1738 1729 1817	1841 2591 1895 1930 2261 1726 1853	82 06 93 90 15 96	1712 2470 2460 2439 2083 1976 2540 1727 1821 1868
CAR	7	60 23				m	œ
OF COW	603 572 761 639 732	673 780 683 639	672 802 799 745	674 570 452 635 609	648 740 495 468 754 754 674	599 639 631 605 638 716	783 812 688 655 679 726 607 607 643
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PRODUCTION MILK %	16975 18355 19930 18230 21750	19725 20945 19188 19075 17520	20190 23620 20800 19030 21007	20317 16715 13575 17790 17325	17580 22950 15050 14710 21110 14570 15035 17385	839 646 892 857 857 961 056	19970 23620 19670 19905 17643 19140 22070 18150 17675
AVERAGE S NO.	77877	22421	нннюю	62212	000 mon	15221	777
AVE	305 305 203 305 305	263 305 293 296 305	279 305 305 305 300	304 305 302 305 305	294 295 305 305 305 305	00000	296 305 300 305 305 305 305 301 299
E AV. FAT	481 497 586 470 454	519 548 500 484 480	571 594 586 529 536	594 437 398 479 499	504 507 387 325 520 416 412 470	442 381 490 518 584 574	597 594 520 508 647 647 699 612 6442
HERDMATE AV MILK FAT	13495 13769 15855 13340 12684	13951 14877 14232 13370 12877	15646 15979 16519 15015 15467	16642 11656 10774 13674 13788	13957 14526 11235 9591 14346 11648 111211 13064	275 068 068 433 578 578	15941 15800 13868 14177 12120 13788 13899 14047 141047
ADJ.	32 33 40 7	12 23 8 7 36	6 24 30 16 15	19 10 18 11 33	28 11 19 19 31 31 22 18	16 36 4 4 6 10 10	18 22 22 22 10 10 23 23 23 49
IRTH DATE MO DA YR	8 27 59 9 20 59 10 30 58 10 2 59 5 27 61	8 18 60 4 10 59 9 2 56 9 17 57 3 15 58	7 1 61 2 11 59 6 12 58 1 25 58 3 21 58	4 1 58 12 25 56 3 16 59 5 20 60 8 18 59	11 26 58 2 9 58 2 9 60 10 1 58 12 19 60 10 15 57 1 2 59 1 28 58	2 6 1 1 6 9 3 1 5 5 6 1 1 3 5 5 1 1 3 5 6 1 1 5 6 6 1 1 5 6 6 1 1 5 6 6 6 6 6	5 8 58 10 9 59 3 27 60 11 5 53 10 20 58 10 29 59 7 26 60 10 14 58 9 27 59
SIRE B NUMBER	1085978 1285709 1049547 1085978	1065220 1289910 1221835 1085978 1085978	1085978 1085978 1085978 1112211	1112211 1112211 1278644 1085978			1085978 1085978 1085978 1124780 1085978 1085978 1085978
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COK	4979588 4979580 4865700 5045520 5779760	5333013 4887950 4309698 4593336 4599248	5590454 4840443 4631296 4525647 4567749	4567750 4356094 4934893 5568191 4968825	4966209 4846556 5137506 4784231 5602680 4610542 4863819 4590145	5234383 5302564 5065876 4730690 5035513 4905681	4602864 5080511 4977678 5258217 3768332 4775500 4963120 5130387 5175897 5060939
HERD CODE	21210094 21210094 21210148 21210151 21210160	21210239 21210248 21210259 21210259 21210265	21210313 21210326 21210326 21210326 21210326	21210326 21210354 21210354 21210414 21210559	21210559 21219572 21210575 21210573 21210773 21210904 21220026	21220814 21220814 21230055 21230092 21230092 21230092	21230092 21230095 21230095 21230095 21239130 21230204 21230385 21230490 21230491

NDEX	34 34 55 47	23 24 24 25 26 26 26 26 26 26 26 26 26 26 26 26 26	47 50 37 49	102 50 54 75	55 39 53 62	53 61 89 121 62	56 53 36	54 47 89 88	50 50 50 80 80
COW I	2119 1717 2149 1985 1711	1873 2105 2056 1820 2121	2547 2340 2521 1749 2037	1937 3796 1920 1929 1958	2218 1885 1754 1829 1968	1775 1907 3172 3929 2151	1760 2306 1821 1801 1721	1778 1735 1962 2301 2621	1728 1757 1932 1737 2730
CAR		m		ھ		æ			
OF COW FAT C	594 538 629 653 622	485 645 666 736 692	743 570 651 610 579	764 691 561 671 737	708 584 546 565 699	560 662 757 873 644	611 578 618 589 590	690 694 809 726 713	571 643 646 677 749
	33.72	3.6 3.6 4.6	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3.5 3.5 3.5 3.5	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	33.44	99999	######################################	88888 87888 87888
PRODUCTION MILK %	18810 16780 20090 19510 18220	15758 22350 18735 19000 20460	22590 20290 20083 18835 17810	19720 22285 17433 18910 19030	19336 16715 16244 16258 19330	16600 17940 22403 25715 19210	17655 17800 18000 16290 17470	18310 19190 18905 19008 20367	17240 17600 19590 19920 21120
VERAGE NO.		9-4	7777	-4mm2	22541	70407	22-125	04m	46446
AVE	305 297 305 305 305	279 304 305 305 305	305 305 305 305 305	305 305 305 305 305	301 303 303 303 303	305 301 287 305 303	305 305 305 305 299	305 284 300 305 305	300 299 305 305 305
FAT	459 462 465 515 520	436 510 527 496 514	514 470 529 562 496	513 465 478 574 561	519 476 483 475 522	430 534 472 506	495 393 474 409 511	555 593 585 546	533 511 520 530 534
HERDMAT MILK	12743 12931 13877 14116 14195	12380 13929 14104 14432 14387	14387 13122 14154 15377 13498	14566 13598 13925 15243 14996	14489 12937 12948 13065 14021	12256 14085 14655 13444 14337	14160 11245 13425 11813 13939	13948 15044 14856 14498 14603	14328 14050 14205 15767 14365
ADJ.	53 4 24 26	12 23 11 48 43	43 6 14 20 11	22 38 40 14 23	7 11 10 12 15	28 19 18 45	39 18 14 22 19	20 34 31	16 28 32 36 31
IRTH DATE MO DA YR	2 26 60 12 20 50 9 9 58 10 23 60 12 9 59	8 15 56 8 20 60 7 14 57 11 18 59 10 4 60	8 24 60 3 7 57 9 2 56 10 15 59 1 19 60	7 29 60 11 6 57 11 5 57 11 26 56 10 15 60	9 10 56 9 20 59 4 13 57 10 1 57 3 18 61	3 19 61 9 28 58 8 26 56 1 24 58 11 9 57	9 8 59 12 17 57 9 17 60 10 4 60 10 18 56	8 26 57 10 2 61 9 6 57 4 15 57 10 14 57	10 3 57 7 2 58 12 21 57 10 17 60 2 21 60
SIRE B NUMBER	1085978 1083352 1085978 1085978	1242163 1299743 1049547 1085978 1085978	1085978 1085978 1049547 1112211 1085978	1085978 1112211 1085978 1112211 1085978	1049547 1085978 1240125 1112211 1085978	1085978 1085978 1049547 1049547	1112211 1049547 1085978 1085978 1049547	1085978 1085978 1085978 1112211	1112211 1244845 1112211 1085978 1085978
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COW	5211214 3441749 4969704 5222205 5250417	4456619 5372603 4833452 4996583 5228224	5228223 4403465 4403462 5039077 5139944	5139945 4541969 4551017 4404137 5396330	4686271 4942837 4440104 4587438 5359908	5369307 4779421 4488569 4981122 4706906	5003684 4883726 5225331 5382660 4291881	4478939 5428896 4531904 4547869 4503692	4503691 4741139 4716824 5493019 5049749
HERD CODE	21230491 21230491 21230566 21230590 21230631	21230718 21230721 21230723 21230811 21230811	21230811 21230822 21230822 21230822 21230822	21230822 21230937 21230937 21240020 21240020	21240020 21240037 21240037 21240047 21240058	21240221 21240221 21240255 21240308 21240308	21240308 21240317 21240317 21240317 21249491	21240495 21240495 21240495 21249504 21249504	21249504 21249504 21240630 21240630 21240661

	INDEX K FAT	44024	57 73 81 62	61 72 59 70	6 4 5 6 6 9 6 9 6 9 6 9 6 9 6 9 9 9 9 9 9 9	69 78 78 71	51 83 75 61	66 66 66 87 87 87 87 87	6 4 6 8 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	86 70 70 70 70 70 70 70
	COW I	1864 2199 2097 1723 2501	2714 1880 2548 2437 1833	1856 1813 1951 1875 1801	1870 2303 2084 1802 1745	2104 2043 2178 1884 2655	1735 2787 2528 1952 1882	1991 1874 1790 2024 1798	1834 2020 1910 1792 1755	2400 2347 2159 1725 1844
	COW AT CAR	@ @ @ IO @	~ ~ ~ + 10 m	m	w	<b>~</b> 0 ≠ 10 .0	<b>3</b> 0-100	<b>7.00 ~ 10.00</b>	26103	16869
	OF CO	649 593 639 595 673	636 602 704 705 673	640 665 656 656 656	680 572 642 576 706	667 636 644 675 736	579 740 811 812 689	749 723 667 515 758	63	933 1748 777
	RODUCTION MILK %	44041	wwwww 	20.45	3.5 3.9 3.9	33.62	~~~~ ~~~~~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~	33.7	99999999999999999999999999999999999999	~ ~ ~ ~
	PRODUC	19030 17600 20020 17378 19427	21270 17020 20710 20270 18940	17980 17220 17250 17530 17530	18555 17635 18923 17367 18230	19170 19860 17693 18460 21595	16650 20980 23490 22110 19010	20380 19435 19390 16650 18485	19350 21205 20775 17545 18650	25380 25120 23560 21390 22600
IRES	AVERAGE /S NO.	0 m 0 4 m	7777		13352	<b>444</b> 0	-22	5112	12241	
DHIA SIRE	DAYS	305 305 299 305	228 287 305 305 283	305 305 296 305 200	305 305 293 262 305	305 305 305 305	305 305 305 305	305 299 305 305 305	305 305 305 285	305 305 305 305
ENY OF	TE AV. FAT	537 506 579 533 514	490 484 528 436 496	469 474 474 440 498	526 476 538 511 495	459 502 470 492 573	461 542 549 565 521	507 579 556 387 558	530 552 536 473 512	637 637 587 587 637
G PROGENY	HERDMA	14433 13244 15337 14482 14028	13911 13101 14440 12613 14304	13231 12683 13239 12683 14054	14828 12894 14787 14086 14037	13179 14177 13100 13570 15106	12503 13868 15003 16626 14132	13904 15694 14968 11058 15013	14708 15304 14538 13404 14406	17911 17916 17293 17293 17911
HIGH-RANKING	ADJ.	31 15 11 14 11	10 33 28 15 21	20 20 7	118 20° 41 30	34 30 17 19 27	111 15 10 34	15 9 28 33	19 17 46 18 6	26 26 46 26 26
HIGH-	RTH DATE O DA YR	8 14 60 1 4 57 3 24 57 1 20 56 1 24 55	0 6 60 2 6 58 2 17 59 2 27 59 7 24 60	9 21 58 0 1 60 9 9 58 9 24 60 8 10 59	1 26 58 1 14 59 8 31 58 7 18 58 5 10 60	4 5 61 7 22 58 8 27 56 7 10 60 9 29 58	3 6 59 1 11 57 2 13 59 7 24 59 8 8 60	8 13 60 1 10 59 0 14 60 1 30 61 2 28 60	0 5 60 0 3 59 1 7 59 5 2 57 9 23 60	0 25 60 2 26 60 1 3 59 0 2 60 8 19 61
	SIRE BI NUMBER M	1179372 1085978 1112211 1112211 1112211	1244845 1 1112211 1 1112211 1085978 1085978	1085978 1085978 1085978 1085978 1154946	1085978 1278644 1112211 1112211 1085978	1085978 1085978 1240125 1085978 1085978	1085978 11122211 1124780 1112211 1085978	1244845 1085978 1085978 1085978 1085978	1085978 1 1065220 1 1275604 1245520 1085978	1085978 1 1085978 1 1085978 1 1085978 1
	A	< <	<b>4444</b>	~~~~	***	4444	****	44444	<b>4444</b>	~~~~
	COW	5321122 4710488 4404140 4404136 4126839	5230707 5072734 4864497 4900285 5153816	4817407 5234410 4817406 5234409 5003532	4671473 4858114 4658466 4658465 5220338	5557722 4769058 4350472 5147382 4830824	4896272 4544125 4878737 4927670 5200094	5267390 5031930 5171382 5344620 5220990	5220991 5309130 5160918 4444457 5270892	5242257 5242261 5085826 5242253 5242253
HOLSTEIN	HERD CODE	21240661 21249708 21240876 21240876 21240876	21240876 21249935 21240996 21250125 21250125	21250179 21250179 21250179 21250179 21250195	21259254 21250363 21259428 21259428 21259428	21250499 21250499 21250499 21250561 21250558	21259719 21259786 21259787 21250789 21250791	21250791 21260975 21260975 21280103 21280301	21280301 21280301 21280301 21280531 21280539	21280546 21280546 21280546 21280546 21280546

INDEX K FAT	71 78 37 60	99 54 81 75 56	51 68 50 43 53	64 45 58 61	80 55 53 44 64	68 64 55 72	45 44 126 54 44	42 57 79 66 66	140 49 69 65 49
COW I	2462 2353 1901 2473 2250	2116 1994 2311 2242 1748	1804 1953 1880 1760	1905 2318 2104 1836 1907	2286 1747 2327 1988 2430	2678 1935 1979 2485 2172	2016 1850 3287 2128 1964	1818 1849 2188 2109 2156	4074 1890 2202 1815 2010
M CAR	m				m 22	N 6	2		N W
OF COW	578 701 667 665 742	771 696 764 646 636	618 711 589 621 677	743 553 498 625 550	593 683 640 629 656	689 659 624 698 679	595 632 849 622 598	594 689 583 739 698	859 627 701 654 575
RODUCTION MILK &	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	4 E E E E E E E E E E E E E E E E E E E	8 9 4 9 10 10 10 10 10 10 10 10 10 10 10 10 10	wwwww • • • • • • • • • • • • • • • • •	W W W W W W W W W W W W W W W W W W W	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	33.4.1.1 3.3.4.1.1	44444 4444	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
-	16633 21350 20540 19627 20960	18980 21600 21050 18615 16563	16423 19805 17480 18830 19210	20470 16400 15144 17770 15750	16840 19155 19580 18441 19887	21477 18460 18695 19590 19190	18945 20200 22800 18905 18700	18270 17850 16230 21620 20043	23433 18760 19430 17440 17120
VERAGE	n n n ∩	37778	42611	12521	00110	84878	71897	ннине	40004
AV DAYS	305 305 305 229 296	305 305 305 304 291	305 305 305 305 305	305 297 297 305 305	226 287 303 275 283	305 270 305 269 305	305 305 305 294 305	305 305 305 305	305 232 275 305 294
TE AV.	417 431 575 533 575	511 559 494 471 532	533 551 503 541 546	559 387 395 508 378	398 579 524 541	551 543 511 529 505	516 535 533 523	423 446 394 544 530	514 544 536 514 456
HERDMATE AV MILK FAT	11388 12698 16041 13825 15895	14387 16160 14027 13580 13445	13301 15630 13962 14560 15056	15474 11097 11170 14164 10746	11651 15864 15183 14942 15217	15541 15101 14427 14774 14242	14547 15226 15017 15034 14485	11657 12472 11384 15603 14586	13618 14964 14257 13908 12618
ADJ.	28 9 4 8 13	3 24 18 21	18 19 10 14	19 11 53 18 13	25 25 29 29	33 25 25 24	33 34 34 34	10 24 17 16 17	10 39 14 31
BIRTH DATE MO DA YR	4 18 58 7 21 60 1 24 58 4 12 57 9 16 60	12 25 58 9 15 60 11 6 57 9 20 60 3 6 58	10 24 56 12 5 59 5 30 58 10 9 60 9 17 60	8 28 60 9 29 57 3 11 57 3 19 59 11 27 58	11 15 58 5 29 58 1 15 53 3 19 55 1 26 53	2 10 58 6 19 57 2 18 58 12 22 53 1 6 58	3 14 59 3 16 60 12 10 53 7 9 55 11 10 54	5 12 58 2 1 57 10 17 58 11 12 57 7 19 58	11 26 56 9 14 59 5 25 59 9 20 60 12 13 56
SIRE	1278644 1179372 1049547 1240125 1085978	1085978 1085978 1085978 1085978	1112211 1112211 1112211 1085978 1085978	1085978 1085978 1242163 1085978 1085978	1085978 1085978 1112211 1112211	1112211 1112211 1112211 1112211	1112211 1112211 1112211 1112211	1049547 1242163 1085978 1085978 1294016	1240125 1085978 1282596 1085978 1049547
<b>V</b> I	~~~~	<<<<<	< < < <	<b>&lt;&lt;&lt;&lt;</b>	< ≪	<b>*</b> * <b>*</b> * * <b>*</b>	<b>44</b>	<b>&lt;&lt;&lt;&lt;</b>	***
COW	4633923 5210476 4557944 4451857 5240577	4875015 5369001 4519034 5215024 4639186	4330412 5007627 4838093 5245593 5245593	5245591 4462942 4416101 5271942 4786485	4924241 4843788 4132200 4263657 3702606	4573303 4457318 4573305 4227551 4506134	4950904 5112872 4227550 4454106 4263640	4758420 4355741 4695354 4718296 4701650	4368751 5006453 4975411 5225674 4339034
HERD CODE	21280825 21280982 21290022 21290025 21290075	21290089 21290095 2129020 21290391 21299466	21299466 21299556 21290649 21290649 21290649	21290649 21290702 21290730 21299743 21290783	21290786 21299800 21299886 21299886 21299886	21299886 21299886 21299886 21299886 21299886	21299886 21299886 21290886 21299886 21299886	21290937 21290997 21300008 21309010 21309010	21309014 21300019 21300023 21300060 21300062

	NDEX	62 53 55 72	57 33 46 69 62	41 64 58 63	60 42 50 44 112	42 62 56 69 68	64 54 61 68 98	71 66 78 78 55	34 27 61 48 38	59 111 34 44 67
	COW I	1809 1849 1969 2505 2319	2135 1806 1811 2345 1846	1802 2449 2055 1725 1889	1775 2100 2088 1825 2272	1738 1861 2176 1858 1720	1835 1800 1768 1868 2410	2120 2048 2435 1881 2015	1718 1733 1735 1910 2001	1948 1751 1832 1878 2103
	CAR	8	2		ω					
	OF COW	709 590 690 698 716	581 645 599 700 837	762 847 787 749 579	576 558 621 568 990	668 709 650 681 714	668 665 592 643 718	748 614 813 658 645	602 667 744 502 634	626 531 527 655 583
	Z N	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	3.3 3.6 3.6 3.7	3.6	3.5	3.6	######################################	3.7.2	400000	400mm 400mm
	PRODUCTI	20330 16650 19940 21220 20070	17700 20780 16810 20436 22650	22430 25630 21860 20000 16235	15590 17443 17943 17760 23230	21010 18800 20540 18465 19910	17560 19920 16370 17120 18997	20305 17660 22070 19810 18700	17787 22740 21330 15505 19880	18480 18503 16720 19780 16517
SIRES	RAGE NO.	77171	24-15-1	2	28411	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7777	2	n==2n	
DHIA SI	DAYS	305 222 290 296 305	305 305 305 288 305	305 305 305 305 305	304 303 302 305 305	298 305 305 295 305	305 305 301 303	305 305 305 305 284	305 305 305 305 298	305 305 294 305 284
0F	E AV.	577 490 551 548 490	467 584 474 537 661	661 664 631 626 444	454 499 498 483 566	594 533 504 526 508	481 531 422 483 490	585 421 556 519 479	524 561 572 421 539	465 503 446 525 448
G PROGENY	HERDMAT	16819 12997 14627 15100 13006	13041 16050 13037 15021 17950	17950 17913 16114 15903 12444	12199 13388 13221 13167 16400	16850 14026 14188 14781 14270	12915 15450 12058 13243 14002	15700 11951 14426 14935 13156	14158 16061 17185 11639 15077	13271 14070 12143 13872 12324
HIGH-RANKING	ADJ.	12 12 22 25 12	26 22 17 3 28	28 24 22 30	16 23 28 51 9	20 17 15 20 20	33 27 8	14 115 17 47	111 6 117 117 50	23 34 13 17
H16H-	BIRTH DATE MO DA YR	11 7 59 1 25 60 8 1 61 8 24 59 8 24 61	11 18 57 12 26 57 9 11 59 9 4 54 11 29 58	11 4 59 9 29 58 8 7 60 10 2 60 11 26 58	1 23 60 8 31 57 6 29 57 9 4 60 12 30 57	9 23 60 11 17 60 8 31 61 10 31 57 9 9 59	7 4 60 9 20 57 9 17 60 8 17 59 11 13 57	4 21 58 5 27 61 8 3 60 7 25 61 7 1 61	1 10 58 8 30 61 10 9 60 8 25 57 5 11 58	4 4 60 7 8 58 8 2 59 9 8 60 9 27 59
	SIRE	1085978 1085978 1085978 1112211	1085978 1216957 1278644 1065220 1085978	1085978 1085978 1085978 1085978	1085978 1085978 1049547 1085978 1085978	1085978 1085978 1085978 1085978 1124780	1085978 1085978 1085978 1112211	1085978 1085978 1085978 1085978	1272013 1245520 1085978 1085978 1049547	1085978 1268802 1065220 1244845 1112211
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	COM	5033772 5021407 5566519 5381159 5501764	4653020 4553155 5009785 3945448 4785760	4959345 4721690 5206178 5206179 4782764	5014513 4490031 4490027 5209269 4599696	5364851 5205455 5504045 4642176 5033464	5181995 4616052 5226655 5343225 4719257	4719258 5373662 5228144 544185 5434757	4520050 5607407 5298873 4680123 4626855	5098325 4697447 5001728 5222404 5160506
HOLSTEIN	HERD CODE	21309074 21300083 21309141 21309141 21300151	21300200 21309203 21300274 21309384 21300407	21300407 21300407 21300407 21300407 21300451	21300528 21300532 21300532 21300532	21300557 21300638 21300672 21300672 21300672	21300694 21300695 21300898 21300919 21300922	21300922 21300958 21300976 21310019 21310023	21319028 21310038 21310038 21310042 21310044	21310045 21310051 21310104 21310139 21310153

	INDEX	45 41 36 58 51	64 61 84 56	57 70 55 48	7. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.	80 70 82 51	51 46 37 87 61	36 57 57 80 80	40440	554 554 588 588 588 588
	COW I	1810 1728 1938 2083 1752	2025 1839 2341 1843 2617	1713 2560 1939 1778 1711	1755 1770 1751 2121 1918	1905 1881 2101 1774 1750	1864 1913 1712 2918 1860	1941 1877 1717 2034 2445	1957 1795 1796 1972 2162	1918 1897 1741 2001 1741
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	COW AT C	~ ~ ~ ~ ~ ~ ~	0==0							
	OF CO	506 522 491 585 594	672 711 741 680 653	643 571 576 614 522	638 786 649 708 567	685 641 676 636 588	673 642 491 841 686	551 716 669 756 731	657 701 660 576 608	660 634 549 574 755
	TION %	3.0 3.0 3.4 6.6	W W W W W W	99.00 99.00 99.00	47460	~ a c a c a c a c a c a c a c a c a c a	88888 8888 8888 8888 8888 8888 8888 8888	9999	9.00 9.00 9.11 9.14	3.0 3.0 3.0 4.0 6.0
	RODUCTION MILK %	6125 6235 6143 7395 6650	9170 8590 9518 8020 9847	7438 6810 8710 8660 6675	8640 1490 9100 8345 7565	8343 6850 7340 9150 6790	9733 9955 8240 4180 9230	7085 9150 9350 2900 1080	8125 9400 9540 8685 7785	21370 17350 16555 16645 21220
				~ ~ ~ ~ ~	הההאה			NOTE		2112
	AVERAGE	12322	21426	40110	22	пппппп	E2H2H	40	7117	
	AV DAYS	275 279 305 305 298	305 305 305 305 305	305 244 305 305 305	305 305 245 171 303	212 305 305 305 305	305 214 305 305 305	301 305 287 305 300	292 305 305 305 305	305 305 298 211 305
	E AV.	430 460 450 463 474	533 536 564 552 549	542 411 434 511 463	500 605 543 456 455	482 426 399 473 466	590 558 443 621 516	467 462 551 622 538	549 538 549 507 478	539 404 482 408 551
	YAT	00000	66419	06760	m O W M &	0 ~ E 8 H	00000	00000	22220	9~mnm
	HERDMATE MILK F	12455 12855 12446 12765 12765	14899 13669 14894 14231 14096	14570 10655 1354 14299 13350	1439 1717 1487 1307 13008	1351 1197 1136 1375 1375 1257	1601 1518 1421 1676 1445	1277 1224 1529 1725 1532	1377 1495 1509 1460 1303	1425 1034 1328 1087 1511
	ADJ.	36 11 13 34	23 14 13 12	25 46 32 15	21 23 53 10	21 5 15 3	23 23 13 13	28 46 22 27 16	14 118 115	35 4 9 15 20
	DATE A YR	559 559 61	57 57 58 58	55 61 60 59 59	61 60 60 60	58 61 61 61	58 60 60 60 57	57 60 60 59 60	56 60 58 58 58	60 60 60 60
	H D	26 5 115 229 25	23 12 4 31	29 27 20 26 16	8 21 30 9	7 13 7	13 16 4 30 19	6 14 16 18	2 10 30 29	30 22 22 6
	BIRT	10 11 11 8	11 12 12 11	11 2 1 1 10	10800	3336	06286	93	12 1 2 2 2 2	12 12 2 11 10 11 11
	E R	111111111111111111111111111111111111111	78	111 78 78 11	4 4 4 5 7 8 4 5 7	40 78 78 78 78	113 72 78 78	47 47 78 78 78	47 78 78 78	47 47 78 78 35
	SIR	11122 11122 11122 11122 10859	10859 11122 11122 11122 11122	11122 10859 10859 10859 11122	1085978 1085978 1085978 1244845	1256340 1085978 1085978 1244845 1085978	59	1049547 1049547 1085978 1085978	50000	104954 104954 10859 13449 12218
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	AH	44444	ৰহৰহন	বৰৰৰ	****	<b>e</b> eee	বেববৰ	****	<<<<<	रदरवर
	COW MRER	340 347 303 303	903 559 895 979 898	731	115 554 365 63	711 711 817 596 409	5490 0325 2562 5821 8561	485 073 426 747 639	807 019 794 998	732 502 907 144 817
	COWNER	497394 497394 513950 516050 555813	4572903 5252559 4877895 5188979 4877898	4709731 5355967 5066551 4926103 4973944	5548415 5614654 5488365 5228163 5228162	4844907 5441711 5330317 5289696 5447409	516549 522032 505256 515582 451856	4694485 5455073 5187426 5050747 5198639	4162807 5614019 4974794 5179998 4634117	5588732 4644502 4868901 5276144 5186817
	)E	20 20 20 20 20 20 20 20 20 20 20 20 20 2	221	22 8 3 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	441.66	00 52 64 64 64	59 88 31	25 25 35 35 35 35	35 36 45 45	554 57 79 93
1	CODE	101	102	310221 310228 310234 310239 310240	310244 310244 310247 310249 310249	~~~~~	193 196 196 197 198	10864 10864 10895 10939 10939	310955 32002 32003 32003 32004	32005 32006 32007 32009 32009
	ERD	21310153 21310153 21310153 21310153 21310165	21310200 21310221 21310221 21310221 21310221	2131 2131 2131 2131	2131 2131 2131 2131 2131	213103 213103 213103 213103 213103	21319387 21319621 21310693 21310738 21310859	21310864 21310864 21310895 21310935	2131 2132 2132 2132 2132	2132 2132 2132 2132 2132

	INDEX K FAI	78 49 44 44	887 87 59 65	64 64 66 66 64	55 51 52 52	54 62 76 32	66 83 59	69 62 92 66 63	65 57 59 64 30	76 68 57 59
	COW IN	1917 1774 2078 1750 1732	2017 2725 1795 1863 1910	2007 2463 1903 2164 1926	1908 1744 1847 1734	1871 1833 2088 2036 1788	1937 2289 2290 2148 1880	1778 1933 2273 1807 2319	1859 1751 1767 2195 2194	1992 1794 2149 1901 1980
	CAR			m	m			m		m
	OF COW	713 666 665 663 663	728 794 637 595 703	747 663 671 641 703	677 612 718 643 640	616 560 620 640 556	692 671 843 674 645	653 717 716 659 749	713 613 704 553 558	714 788 671 668 562
	TION %	4.8 3.8 3.6 4.6 6.8	3.66	wwww • • • • • • • • • • •	00000 00000 00000	3.50	6.00 6.00 7.00 7.00 7.00	3.6	~~~~~ ~~~~~~ ~~~~~~~~~~~~~~~~~~~~~~~~~	999999 999999
	PRODUCT IC	16910 19940 18600 19220 19130	20235 21207 18540 16740 19725	21050 19530 19710 19080 19895	19270 17750 20520 17950 17930	17520 17510 18410 17010 17700	18930 20620 22480 19657 18268	17595 19270 18610 18453 21545	18670 16895 19840 16590 19965	18150 21980 18990 18835 15800
IRES	VERAGE NO.		4 m m m N	-2-22	22444		2016	21245	-22	000
DHIA SIRE	AVI	305 305 305 295 305	299 305 287 299 288	305 305 305 293 173	297 305 305 305 153	305 305 305 303	303 305 305 305	305 305 305 305	305 305 305 305	305 305 305 305 274
NY OF	re AV. FAT	457 554 433 553	610 603 547 486 550	530 526 508 498 567	556 519 599 533 514	483 443 396 435	573 567 562 562 501	497 543 481 504 596	524 499 455 366 542	471 549 519 557 444
IG PROGENY	HERDMAT MILK	11856 15599 12738 14998 14998	16302 14883 14093 13403	14130 13715 14723 14318 15971	15410 14467 15815 13808 13592	12694 12875 12499 11362 12203	15672 15420 15558 15458 14088	14195 14137 13466 14201 16747	13907 13588 12920 10143 15100	12719 14805 14283 14999 11688
HIGH-RANKING	ADJ.	31 32 54 20 20	22 12 20 23 19	21 24 29 15	14 16 17 17 17	7 24 27 13	14 12 18 11 6	25 11 22 14 14	15 9 35 17	12 12 8 7 13
HIGH-	DATE	60 59 58 61 59	57 53 61 57	60 57 57 60	60 61 60 59	60 61 61 60	52 58 57 56	58 61 57 57 59	59 61 60 59	52728
	IRTH MO DA	9 20 10 12 9 12 9 7	9 5 7 9 8 13 8 15	11 24 1 30 12 4 3 2 9 19	3 9 112 3 10 18 1 22 10 13	9 25 11 29 1 29 1 27	11 3 4 8 7 21 10 6 11 16	3 27 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	12 26 10 24 11 15 9 22 4 18	9 30 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
	SIRE B	1085978 1085978 1085978 1085978	1192713 1192713 1085978 1085978 1179372	1179372 1085978 1085978 1085978	1085978 1085978 1085978 1085978	1085978 1085978 1085978 1085978 1300014	1085978 1085978 1085978 1085978 1245520	1085978 1085978 1085978 1222997 1278644	1085978 1085978 1065220 1085978 1085978	1085978 1294468 1085978 1085978
	V I	टिवस्त्र	* < <	ববধৰধ	<<<<<<	4444	<b>4444</b>	<b>eee</b> 4	< <b>&lt; &lt; &lt; &lt;</b>	<b>4 444</b>
	CON	5399819 5001359 4810511 5477332 4984160	4450473 3722854 5388219 4478112 5146853	5374756 4634116 4678637 4530703 5347345	5046373 5096950 5438815 5271159 5126636	5313499 5313502 5263101 5379029 5099772	3623456 4956164 4782983 4516667 4701607	4567746 5329665 4464869 4373807 4855878	5028739 4768752 5344942 5217135 4879266	4844787 4705418 4395287 4579221 4814903
HOLSTEIN	HERD CODE	21329097 21329139 21320147 21320169 21320169	21329193 21329193 21329280 21320352 21329409	21329409 21320454 21320512 21320512 21320569	21320569 21329695 21329743 21320832 21320853	21330005 21330005 21330080 21330080 21330104	21330817 21330895 21330895 21340004 21340014	21340033 21340074 21340102 21340216 21340216	21340402 21340402 21340451 21340455 21340531	21340603 21349749 21340758 21349880 21350004

NUEX	60 111 90 77	100 59 54 58 62	30 63 79 45	21 58 44 44 48	37 80 89 45	70 94 69 57	51 30 42 14 35	525 4 6 6 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	111 50 46 76 66
COW I	2091 1793 2150 2042 2453	3524 2051 1741 2142 1814	1778 1881 2422 1736 2132	2193 2655 1809 1929 2310	2012 2250 2594 1862 1719	2421 2125 1728 2295 1906	1778 1766 1982 1757 2497	2267 2180 1761 2238 2002	2126 1716 1864 2075 2124
JW CAR	16692	01333	\$ \$ \$ \$ \$ \$ \$	1	2 4 6 0 8	2 2 2 8 0	12021	44010	20896
OF COW	701 562 726 726	73.0 61.0 68.0 76.1 72.0	618 736 865 696 714	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	638 787 796 84:9	666 699 613 522	4524	78 69 769 701 655	40000
TION	3.00 3.00 1.00 1.00 1.00 1.00	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	300000	00 m m m m	33.00	24 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	3.50 3.00 3.40 3.40	~~~~~~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PRODUCTION MILK	23200 18205 19040 19600 18700	22285 18070 19330 23210 20050	21363 21070 24580 21150 22740	21485 21225 20540 19890 17138	18886 20900 22320 22320 17530	18655 17450 15310 18520 14570	19670 14703 21733 19758 21194	22655 19380 16450 19670 19680	20453 18980 19600 18538 19330
FRAGE NO.	-4469	~~~~	4	40442		77-1-1	  	2111	4
AV	305 305 305 298 304	298 305 305 305 305	282 305 301 304 304	300 305 304 263 303	303 305 305 289 300	301 305 305 303 240	305 305 305 305 305	305 300 305 303 305	305 305 305 300
TE AV.	521 494 494 514 459	475 461 548 604 544	604 603 604 588	597 513 590 548 438	557 586 572 644 502	502 456 409 377 346	422 383 560 597 577	633 489 469 489 528	576 535 527 485 504
HEROMATE MILK F	15858 13705 14145 14388 13233	12735 12347 15157 17030 15508	16998 17305 16998 16998 16848	17109 14737 16023 14773 12048	14584 15838 16045 17538 13467	12991 12828 11198 11576 9572	12560 10613 16063 15359 15359	16085 13012 12174 13012 14199	15023 14930 14809 14113 14775
ADJ.	22 9 14 18	18 7 15 44 21	40 40 40 40 40 40	34 23 34 13	9 113 36 34 76	6 19 17 12	14 11 24 15 12	18 29 14 29 28	14 6 6 11 11
BIRTH DATE MU DA YR	5 23 60 1 27 55 4 6 57 2 23 59 2 14 56	9 9 60 2 17 61 1 4 61 11 3 59 10 27 60	8 18 58 9 7 58 8 18 58 5 5 59 1 1 57	2 13 57 11 13 58 9 10 58 10 18 60 3 13 56	9 13 56 10 7 57 4 25 57 12 28 57 4 26 59	8 15 58 7 25 58 12 8 58 1 15 61 9 2 57	2 14 59 10 15 56 10 16 57 12 28 56 10 18 55	10 8 58 1 11 58 12 17 60 9 14 59 11 19 60	11 30 54 9 29 57 11 5 57 5 21 55 8 2 55
SIRE	1179372 1190632 1049547 1065220 1049547	1085978 1085978 1085978 1085978 1085978	1085978 1085978 1085978 1085978 1239886	1242163 1085978 1085978 1085978	1049547 1085978 1085978 1085978	1085978 1085978 1085978 1085978	1263840 1049547 1124780 1190632 1190632	1299440 1085978 1085978 1085978	1190632 1085978 1085978 1221835
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COM	5237266 3985780 4400526 4987709 4217780	5158111 5374580 5339994 5003215 5218063	4776470 4776471 4776469 5284281 4327627	4423634 4826404 4814407 5262212 4354523	4354837 4532660 4445944 4601868	4815986 4661861 4803934 5416869 4496503	4841495 4607179 4493928 4364191 4201125	4708566 4642604 5336965 4979106 5252542	3929320 4676639 4676640 4065254 4065255
HERD CODE	21350016 21350016 21350027 21350027 21350027	21350030 21350030 21350049 21359050	21359050 21359050 21359050 21359050	21359050 21350051 21359067 21350072 21350126	21350141 21350141 21350143 21350143 21359161	21350248 21350287 21350302 21350311 21350312	21350357 21350416 21359427 21350833 21350833	21350833 21350964 21350964 21350964 21370206	21370558 21390012 21390012 21390061 21390061

HULSTEIN

INDEX K FAT	110 74 64 48 87	40 61 39 56 81	4 9 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	49 79 51 66 61	52 67 62 50	929866	45 21 54 90	64 56 61 32 68	71 58 29 63 57
COW IN	3191 2280 2169 1761 2398	1781 1943 1814 1809 2541	1820 1817 2194 22203 1904	2174 2316 2197 1875 2064	2026 2444 1790 1913 1837	1939 2057 2042 2077 2134	1717 1840 1802 1800 2325	1950 2020 2052 1896 2368	2207 1728 1718 2173 1881
CAR	m		m N	m		m			
OF COW	747 622 604 642 743	591 789 690 676 790	683 671 676 659 653	542 819 651 622 607	625 951 726 650 723	680 515 758 672 522	620 628 526 664 746	667 637 701 593 689	718 638 502 692 677
	000000 00000 00000	33.74	000000 00000 00000	33.40	33.681	0 m 4 m 0	3.6	9 5 5 5 5 5	33.4
PRODUCTION MILK *	21610 18200 18440 19665 20295	17590 21260 21180 19100 22070	18770 18620 19544 17375 19270	18155 21930 18896 16470 18590	19900 25280 20440 18820 21063	19015 15420 22110 20320 17680	19580 17015 18740 18693 19260	18305 18155 20210 18450 20010	21060 18727 16030 19725 18285
AVERAGE S NO.	44 6 7 7 7	ппппп	54-	7 7 2 7 1	пппппп	26112		2244	18000
AVE	305 282 217 305 305	300 305 305 305 305	305 305 304 239 150	305 305 252 295 305	305 305 305 305	305 305 305 305 245	305 291 302 305 305	305 293 305 305 305	305 305 305 305 305
E AV.	473 447 447 501 524	497 618 629 532 520	548 528 551 417 497	457 559 533 479 437	498 584 538 475 596	534 411 576 540 409	529 470 465 533 520	533 528 531 468 486	496 496 464 558 563
HERDMATE AV MILK FAT	13884 12999 13186 14676 14712	13773 16077 16641 14583 13897	14199 14065 14762 11537 14279	13358 14879 14104 12726 12801	14299 15198 15926 13787 16413	15045 11365 16430 14466 11494	15523 12931 13516 14615 13468	13832 13901 14480 12844 12699	14553 13851 13299 14932 14522
ADJ.	17 16 12 8 32	22 21 26 27 20	33 18 17 13	6 22 12 22 22 17	24 24 4 1 1	117 27 27 6 13	15 20 20 12 24	18 20 42 33 11	24 9 116 22 4
BIRTH DATE MO DA YR	4 17 56 9 19 56 11 8 56 12 17 58 3 1 59	3 17 58 3 16 61 9 16 60 11 1 60 9 13 60	3 10 59 5 1 60 8 21 56 12 5 56 10 29 61	5 11 58 11 4 60 19 24 57 11 25 59 9 8 58	12 10 60 3 27 60 8 1 61 9 1 59 12 6 58	3 11 57 4 23 59 8 30 60 2 17 61 12 16 57	9 5 60 11 29 58 14 7 60 12 15 55 1 1 59	1 2 59 7 6 59 9 2 61 9 7 56 8 2 61	12 1 61 12 9 58 9 3 59 11 2 59 2 21 58
SIRE BI NUMBER N	1221835 1221835 1221835 1065220 1085978	1272013 1085978 1085978 1085978 1085978	1085978 1085978 1049547 1216957 1085978	1085978 1085978 1049547 1085978 1085978	1085978 1 1154946 1348259 1085978 1326132 1	1085978 1112211 1085978 1085978 1195339	1085978 1192713 1319234 1222994 1192713	1192713 1085978 1085978 1242163 1085978	1085978 1216957 1278644 1085978 1085978
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COW	4226017 4309699 4309701 4846449 5074656	5074654 5357613 5183609 5216088 5231077	4894377 5179680 4302889 4737963 5639575	4615056 5216010 4485116 5060141 4333730	5253958 5081860 5461690 5097492 4869393	4400530 4853037 5325646 5630120 4595941	5199920 4774881 5128367 4151992 4823485	4823486 4960411 5545211 4371710 5483957	5222815 4870564 5374082 5012253 4609635
HERD CODE	21390061 21390061 21390061 21390062 21390288	21399534 21399534 21390678 21400023	21400023 21400023 21409254 21400592 21420003	21420011 21420015 21420015 21420036 21420042	21420162 21420221 21420231 21420241 21420353	21420711 21420746 21420911 21430056 21440031	21440036 21440050 21440053 21449143 21440235	21440425 21440425 21450006 21450006 21450006	21450031 21450040 21450134 21450138

NDEX	43 68 68 104 60	55 79 93 51	66 95 68 132 48	72 53 63 61	83 71 71 80 41	76 84 32 68 76	84 48 82 81	45 66 59	68 52 54 75 75
COW INDEX	1758 1898 2270 2437 2239	1980 2308 2878 1791 3189	1899 2662 1726 2344 1725	1812 1923 1932 1853 1809	2543 2378 1933 2043 1809	2185 1877 1930 2070 1805	2543 2068 2036 2428 1919	2551 1754 2343 2140 2197	1857 1740 1874 2156 1773
CAR					m m	m			
OF COW	507 689 728 934 663	649 708 856 650 999	852 804 675 919 596	722 628 660 688 626	743 899 872 844 569	809 909 631 649 738	773 641 587 701 709	663 603 630 608 608	592 617 654 526 785
	9 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	######################################	9.69	<i>wwwww</i> • • • • • • • • • • • • • • • • • • •	3.00 mm m m m m m m m m m m m m m m m m m	3.4 13.6 3.8	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	3.4
PRODUCTION MILK %	15567 18415 20840 22720 19705	19340 19940 24550 19010 25410	21830 21795 17305 21650 17133	19225 18115 18250 18210 17715	20820 24450 22980 22220 17082	22115 21610 18725 18020 19673	21535 18085 18373 20050 17560	19675 18830 18720 18400 20280	15820 18040 19380 17110 18510
VERAGE	w 2 = = 2		H2246	7777	2	7-4-4	1110	21221	1211
AV	305 305 305 305 293	305 305 305 305 301	305 305 297 305 305	298 305 305 305 305	239 305 305 305 266	300 305 305 305 263	291 282 303 288 305	305 305 305 305	305 305 305 305 305
re AV.	446 537 521 550 540	511 447 525 529 677	560 556 525 580 521	508 530 526 516 513	479 622 652 572 483	631 622 587 376 560	556 488 475 427 439	479 424 485 500 493	386 472 499 392 543
HERDMATE MILK F	12549 14591 14018 15064 14680	13970 12932 14691 14586 17039	14812 15282 14086 15419 14216	13540 14202 14305 13476 14203	13077 17088 17844 15620 13428	17279 16755 15691 9741 15427	15440 13661 14008 12439 12495	13552 12200 13329 13724 13823	11066 13190 14540 10859 14174
ADJ.	26 21 28 25	29 12 23 21 21	13 15 23 23	26 11 18 9 11	8 31 7 15 10	36 42 30 1 41	13 21 10 23 18	12 8 9 10 10	49 17 19 47 37
DATE	58 57 58 59	61 60 60 60		59 60 59 59	60 59 56 56	58 58 57	57 57 60 60	58 57 59 60	60 58 58 58
RTH DATE	1 1 0 26 0 26 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 3 2 3 1 18 0 23 4 10		8 27 1 2 0 30 9 6 2 18	1 14 3 5 3 3 0 15 8 22	1 29 0 5 8 26 5 20 1 20	0 12 9 2 9 2 7 10 7 13	2 24 0 16 4 21 9 23 6 5	2 27 2 27 2 27 8 17 8 17 5 5 5 5 5
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SIRE	1085976 1085978 1085978 1085978	1085978 1085978 1085978 1085978		1189870 1085970 1085970 1085970	1065220 1085978 1085978 1199324 1222994	1085978 1085978 1278644 010198507	1085978 1085978 104954 1085978	1085978 1154946 1085978 1085978	1085978 1113350 1085978 1085978
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COW	5140067 4514575 4478163 4603039	5397816 5297375 5076112 5297374 5104512	4705766 5138578 5358145 4722631 4488373	4973598 5199461 5008009 5500558 5070686	5103004 5077994 4912779 5298167 4279950	4844592 4684229 4768812 3442910 4476390	4449413 4510200 4620429 5223607 5223606	4825534 4943004 4674598 5219360 5275014	5393931 4809298 4643110 5155374 4641124
HERD CODE	21450153 21450155 21450155 21450155 21450155	21450155 21450170 21450170 21450170 21450171	21450198 21450238 21450238 21459514 2145959	21450772 21450777 2145988 21459987 21479011	21479011 21480060 21489060 21480097 21480155	21489441 21489441 21489660 21480912 21499020	21490039 21490039 21490046 21490055 21490055	21490075 21490080 21490090 21490090 21490145	21499158 21499169 21490292 21490333 21499452

NDEX	40011	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	118 47 62 73 64	61 82 50 66 66	7 4 6 6 7 4 8 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6	550 571 571 571 571 571 571 571 571 571 571
COW I	84 41 94 81	2464 2249 2022 1947 2106 2106 2104 2465 1864 1814	3301 1772 2106 1974 2028	18131 C	1801 1770 1840 2380 2016 1832 1875 1720 2401 3209	2182 1792 1838 1832 2237 2026 1851 2374
K CAR			m	m (	m	m m m
OF COI	654 700 769 753 712	650 733 675 639 711 787 787 734 753	860 559 607 656 656	W 9 9 4 9 C	627 597 597 792 675 657 611 668	635 639 607 586 629 629 716 538
TION #	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	wwwww wwwww www44 / w404	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
PRUDUCTION MILK %	26029	19505 20180 20190 18557 20990 214470 21420 21170 17513	24110 16200 18173 18857 19255	798 912 737 764 764 710	16417 17930 17090 17293 20780 20710 19785 18693 18470 24130	18918 18350 18593 16420 17854 19340 17247 20635
SIRES VERAGE NO.	431122	0 m m m m m m m m m m m m m m m m m m m	-4460	0m400 r	NUMBER PARES	namen unman
DHIA S	30000	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	305 262 303 298 297	00616	230 305 247 294 305 305	305 228 228 278 249 305 305 305 195
ENY OF TE AV. FAT	561 567 577 539 520	535 522 545 535 535 535 554 554	404 490 494 504 525	503 489 511 496 480	4466 4466 4466 5468 548 549 549 543	532 533 533 641 533 523 528 528 528 528
PROG ERDMA MILK	0 20 0 20	13689 15467 14610 14918 14989 14037 15262 15217 13638	12137 13282 14322 15184 15184	468 433 451 401 367	13268 13472 12676 15230 16043 16191 13983	15010 15376 15331 13439 13801 15053 15065 13946 15135
HIGH-RANKING DATE ADJ. H YR NO.	56 58 51 47	4 4 3 3 8 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	10 10 4 22	46 20 20 20	115 21 21 23 7	10 114 115 116 25 29 29 25 25
HIGH-F BIRTH DATE MO DA YR	00 17 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	7 8 60 10 25 60 7 30 60 8 29 57 12 7 60 8 6 61 9 10 60 10 26 60 5 10 53	10 21 52 2 3 54 12 24 53 10 18 54 12 20 58	2 11 2 2 2 1 2 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	12 30 58 2 9 60 2 9 60 1 30 53 7 25 59 11 9 57 11 23 54 9 2 57 8 15 52 10 14 57	1 24 54 8 21 54 9 29 58 9 29 58 9 29 55 12 12 57 6 25 54 9 13 58 8 2 59
SIRE		1085978 1085978 1085978 1049547 1085978 1179372 1179372 1179372 1179372	1085978 1085978 1085978 1085978 1085978		1085978 1085978 1085978 1085978 1085978 1085978 1085978	1085978 1085978 1085978 1085978 1085978 1085978 1085978 1085978
< ⊢	दददत्	4444 <b>44</b> 44	<b>4444</b>		বৰবৰৰ বৰৰ ৰ	ત્રત્ય ત્વવ્ય
COW	4966612 4966614 5121762 4587258 4460171	5594001 5626314 5594002 4449411 5231105 5379244 5164025 5199984 4372346	3815814 4173711 3829028 3979241 4833792	3979240 3979242 4211181 5106394 4872863	4504990 4831553 5186404 3671350 4950197 4699846 4699846 4699862 3666204	4173710 471997 4719607 3787497 4114804 4825015 4943844
HOLSTEIN HERD CODE		21499488 21499488 21499488 21490973 21490984 21490984 21490984 21490984 21500016	21500016 21500016 21500023 21500023 21500023	50002 50002 50003 50003	21500039 21500039 21500102 21500102 21509145 21509145 21509145 21509145	21509145 21509145 21509145 21500146 21500146 21500146 21500146 21500146

	NDEX FAT	84 39 63 78 61	43 60 55 54	65 65 58 62	62 73 45	62 76 71 71	81 66 39 62 66	444 68 448 85	51 72 73 75	71 62 57 77
	COW IN	2695 1755 2499 2031 2281	2307 1882 1763 1771 1792	1927 2274 2636 2006 1723	2155 2137 2276 2072 1724	2073 1761 2133 1853 2049	2002 2573 1869 1827 1955	1773 1883 1844 1715 2837	1903 2377 1787 1896 1790	2349 2019 1724 2301 2140
	CAR	~ ~	m	m				m		
	OF COW	733 548 652 695 636	653 603 594 690	603 795 564 550 599	652 655 739 679 686	553 765 620 667 648	645 571 654 745	672 669 747 617	659 686 710 566 827	674 737 665 621 799
	Z	4.00 mm m m m m m m m m m m m m m m m m m	88888 89.00 80.00 80.00	00000 00000 00000	84946 84946	4.6	3.6	88888 84844	88888 8888 8888 8888 8888 8888 8888 8888	44.44 0.04.44
	PRODUCTI MILK	21695 17265 19767 18005 18970	18560 16244 16193 16553 19490	16427 21000 17873 16360 15760	17090 19540 20775 19800 20510	16380 20780 18870 17730 17485	17930 17915 19310 18320 19920	21070 19665 18970 17928 22793	20305 20897 21070 17210 20820	19847 21440 17940 18033 20380
IRES	ERAGE NO.	00840	N M M M N	61622	15515	24642	-2	12154	26111	панта
DHIA SIRE	AVI	298 296 305 252 290	305 290 282 295 305	294 287 305 183 302	305 302 302 305 305	303 305 305 288 301	305 305 305 296 305	305 278 305 301 305	305 305 305 305	299 305 305 305 305
ENY OF	FAT	526 444 483 496 508	495 496 491 497 556	417 525 437 469	449 482 569 561 534	422 607 472 430 475	361 358 518 481 551	585 508 543 510 596	579 535 505 447 588	530 562 515 479 551
HIGH-RANKING PROGENY OF	HERDMAT	15065 12784 13169 13188 13797	13297 13131 13160 13494 15058	12897 14161 12195 12156 12554	12360 13384 15620 15363 14486	11940 16506 13224 11582 13129	11036 10457 14419 13715 14677	16735 14247 14282 13448 16385	16462 15312 13742 12259 16399	15039 15877 13851 12716 14209
RANKIN	ADJ.	29 34 11 14 24	20 20 23 23	26 14 27 53 28	16 13 27 35 16	16 12 7 9 10	33 47 33 25	21 31 33 10	12 13 26 12 30	16 12 10 8 13
HIGH-F	BIRTH DATE MO DA YR	7 7 60 9 4 59 11 23 58 11 30 58 9 16 58	9 24 59 5 8 55 12 31 57 12 19 58 8 21 60	12 19 57 10 2 61 9 19 53 11 2 54 1 8 60	4 15 59 10 5 58 8 12 58 9 21 59 9 6 61	9 26 60 6 8 59 11 21 56 9 20 60 3 23 58	11 30 60 11 3 57 10 11 60 4 1 61 9 23 59	1 6 61 12 27 59 9 11 59 8 29 56 1 26 57	2 8 58 2 1 58 3 1 57 11 28 61 10 19 57	10 10 58 8 25 61 3 6 61 1 14 57 10 28 60
	SIRE	1085978 1222994 1065220 1065220 1085978	1085978 1085978 1085978 1085978	1085978 1085978 1085978 1085978	1085978 1085978 1085978 1085978 1221835	1085978 1085978 1184848 1179372 1085978	1179372 1206098 1348259 108597\$ 1085978	1085978 1065220 1085978 1239886 1240125	1085978 1272013 1184848 1085978 1085978	1085978 1085978 1085978 1049547 1085978
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	COW	5131693 4923175 4761204 4772332 4804580	5126614 4163105 4548570 4804587 5154380	4540136 5573507 4581557 4690863 4993578	4891474 4953262 4783918 5040913 5561535	5243332 4908267 4762243 5369172 4679175	5308980 4466499 5284367 5369366 4781406	5281549 4962691 4928449 4263427 4620439	4620441 4688499 4537252 5473767 4532406	5114460 5503524 5462031 4406022 5243548
HOLSTEIN	HERD CODE	21500146 21500225 21500489 21500489 21509530	21509530 21509530 21509530 21509530 21509731	21500843 21500848 21500849 21500849 21520017	21520029 21520061 21520071 21520071 21520098	21520116 21520155 21529196 21520231 21520233	21520234 21520234 21520268 21520268 21520277	21520287 21529310 21520577 21520577 21520637	21520637 21529649 21520690 21520802 21520880	21530052 21530052 21530055 21530055 21539065

	FAT	46555	34 40 73 73	51 74 53 63	8 4 0 1 1 1 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1	900	38 37 67 68	04109W 901084	660 600 600 600 600	39 39 79 79
	COM INDEX MILK FAT	2001 1999 1973 1785 2328	2032 2567 2122 1968 1903	1732 1945 2284 2013 2030	2334 2285 2054 2279 2904	1921 2666 1850 2323 1771	1742 1854 1757 2017 2232	1874 1999 1923 2327 1953	1866 1819 1754 1711 2280	2498 1864 1806 2060 1908
	E AR				m					8
	OF COW	669 689 639 572 727	5611 563 563 563 644	612 519 586 595 564	568 697 592 688 721	610 547 657 713 759	513 672 641 770 689	635 629 645 780 582	581 747 771 837 919	669 731 651 766 659
		000000 00000	88888888888888888888888888888888888888	~~~~ ~~~~~ ~~~~~	WWWWW	www.u.a.	42204	4 6 9 5 6 7 6	3.6 9.6 9.6	44700
	PRODUCTION MILK %	18510 19020 18240 15720 20050	19155 16210 20860 16250 17115	19063 15605 16765 18523 16495	19240 19620 18610 21205 20455	18985 21070 19300 20425 17637	15020 21050 20030 21600 20460	18607 18840 17740 22520 18075	15868 20785 21190 23490 27670	19570 21365 17773 19450 16733
IRES	ERAGE NO.	21212	26-22	m n n 4 n	manan	01 CV DV FM	*=0=0	maala	52444	N 0 4 H W
DHIA SIRES	AVE	303 305 305 302 302	305 305 305 275 305	305 305 301 301 301	305 305 304 273	305 302 286 305 296	286 305 305 305	303 303 305 305	303 293 301 305 305	254 305 305 305 305
	FAT	528 497 504 399 562	516 415 510 438 474	492 383 415 468 429	500 505 579 474	507 507 543 573 536	425 596 598 570 529	532 468 532 463	418 600 573 619 648	537 601 514 466 474
HIGH-RANKING PROGENY OF	HERDMAT MILK	14323 13554 14151 11323 14711	13563 11153 13729 12180 13272	14175 10319 11581 13196 12205	13428 14435 14236 15881 13090	12933 14543 14580 15106 14579	11265 16308 16704 16047 15303	15108 14659 12533 14366 12504	11720 15606 14367 16647 17001	14720 16766 13298 12614 12704
ANKIN	ADJ.	12 8 8 19 12	12 10 10 10	13 22 22 22	34 16 21 14 17	31 13 10 12	9 16 119 31	22 7 7 111	112 49 1 1 69	38 25 4 11 11
HIGH-6	IRTH DATE MO DA YR	4 16 58 8 31 60 10 6 59 12 22 57 10 16 58	12 4 57 8 9 58 7 12 61 3 4 58 8 24 58	1 7 58 9 24 56 4 8 57 2 3 58 8 23 57	112 30 58 11 7 60 5 2 59 9 1 59 7 10 58	11 21 59 7 19 59 10 5 60 6 8 58 3 6 57	9 11 57 9 11 60 9 17 57 4 28 61 1 18 60	3 13 58 2 4 58 8 24 56 1 7 61 11 17 56	8 15 50 10 21 58 9 25 58 9 18 59 2 22 62	11 26 55 1 11 60 10 16 55 10 2 54 6 17 56
	SIRE B NUMBER	1085978 1085978 1085978 1085978	1049547 1278644 1244845 1085978 1085978	1216957 1049547 1085978 1124780 1085978	1049547 1085978 1085978 1112211 1085978	1190632 1085978 1085978 1085978	1049547 1085978 1085978 1085978	1112211 1085978 1049547 1244845 1241982	1065220 1011980 1011980 1241914 1244844	1112211 1179372 1119514 1167632 1167632
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	COW	4944995 5359927 5346703 4636312 4761486	4633456 4762681 5446830 5022642 4767940	4510262 4259562 4769581 4736895 4542944	4805441 5210483 4952837 5030557 4620610	5137762 4932510 5259680 4654088 4654085	4677764 5242772 4492794 5342723 5381071	4615240 4580086 4295449 5313351 4302150	3323627 4807676 4689216 4756389 5578497	4263637 5069504 4096647 4055874 4375548
HOLSTEIN	HERD CODE	21530067 21530067 21530067 21530102 21530142	21530142 21530153 21530155 21530160 21530199	21530217 21530231 21530240 21530271 21530331	21530509 21530780 21550044 21550051 21550097	21550145 21550145 21550210 21550210 21550210	21550352 21550551 21550551 21550551 2155035	21569035 21560047 21560843 21569994 21569994	21580184 21580205 21580205 21580205 21580205	22109073 22179026 22179037 22179081 22179081

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4G PROGENY	HERDMA	12618 12920 12779 13933 12861	11358 13205 13605 14428 15058	13966 14600 15813 13307 16186	13058 15329 14658 13128 13705	14166 14669 15983 13764 14741	12840 13746 14570 16590 14145	13533 14860 14864 13618 12647	12824 17304 13525 11602 12349	14004 14525 15388 13652 12997
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	SIRE B NUMBER	1342660 1157986 1189870 1330981 1189870	1189870 1099477 1108504 1300014 1156447	1300014 1300014 1300014 1179372 1112211	1119686 1300014 1070036 975138 1230486	1271019 1276888 1326835 1330981 975138	1157986 1286036 1243352 1227714 1326835	1187680 1286036 1330981 1244845 1300014	1102436 1300014 1102436 1119686 1108504	1108504 975138 975138 975138
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HEROMATE MILK F	12001 15473 10119 12697 14129	11833 14695 12191 12546 13297	13108 13995 12004 13535 13875	15710 15202 17628 17491 12988	13988 14356 13448 13979 14098	14808 13383 10132 10365 14230	12691 12172 14527 12440 13323	13371 13279 13593 14237 13425	12560 12307 12635 14186 14008
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,	COD	23320012 23320040 23330018 23330056	3005	800	3340003	3340006	100	005	23340045		3340045	334004	334005	00.5	005	000	23340062	900	3340065	900	900	36001	3360013	001	000	23360053	900	900	000	111095	013	23360139	014	910
)	HERD	333	333	333	334		334	334	334			1 11		4	334	334	334	334	334	334	334	יום נים	336	336	336	336	601	6.3	143 64	2 643	336	346	336	336
	H	2222	2 0	100	77	2	2	77	2 0	J	2 0	7	2	7	2	7,	7 ~	2	2	~	7	77	2	7	N	77	2	~	NO	1 71	2	7 ~	12	2

NDEX FAT	89 79 50 50	72 88 79 77 62	56 59 59	42 46 48 71 33	80 103 58 81 58	80 92 53 46 56	51 38 50 50 77 77 73 53	
COW I	2532 1793 1748 2586 2031	2146 23.51 2272 2083 1778	1998 1761 1778 1827 1818	1862 1967 1744 1916 2292	1731 1992 2038 2268 2098	2022 2004 1838 1811 2233	1838 1776 1824 2044 1756 3348 2132 2346	76 72 72 72 84 87 88 81 81 14
CAR	m		2			m		m m
OF COW FAT	799 653 796 718 683	731 735 802 700 756	721 684 673 726 696	819 728 765 789 667	869 766 521 783 798	725 722 659 646 558	717 513 800 719 664 868 762 659	702 846 660 635 649 770 735
	3.6		4 6 5 7 4	~~~~~~ ~~~~~	44 m m w 0 0 4 4 0 0	3.57		
PRODUCTION MILK %	21373 16825 19410 21850 19150	21030 20535 22905 19960 20380	21180 20430 19237 19860 20750	2,4960 21360 22290 22510 20315	21560 18033 15330 21840 22830	19598 19293 19570 20000 17205	20320 15160 23460 22400 18550 23070 20793 18385	877 021 021 716 616 942 142
ERAGE NO.	m 2 2 m m	11551	77877	7777	- # O - O	4114	- Cana EEC	-II 04440
AVI	303 167 303 305 305	305 305 305 288 305	305 305 305 305	305 305 305 305	305 305 305 305	305 305 305 305 265	300 300 300 300 300 300 300	
FAT FAT	602 466 560 576 495	516 503 564 445 566	564 561 540 557 537	566 585 496 501	531 484 398 521 631	553 524 482 536 460	594 405 681 506 410 564 576 496	84 087 68
HERDMATE MILK F	15633 12905 13949 14535 12785	14088 14220 15600 13163 14604	14837 14875 14735 14119 14777	16748 14902 15261 14031 12955	14003 12556 10854 14289 16136	14247 14085 13859 14060 12883	15405 11077 18614 13282 13361 15282 15396 12302	336 269 269 269 231 231 447 447 449
ADJ.	12 13 10 12	12 4 8 8 11	111 100 115 9	11 11 8 8	112 116 4 8 116	22 6 9 6	88 11 11 11 26 6	111 118 119 7
BIRTH DATE MO DA YR	12 6 58 10 27 58 12 12 59 11 15 58 11 14 59	8 17 60 2 10 60 8 17 59 6 21 61 3 5 60	10 19 59 2 25 59 8 15 58 10 4 59 12 2 60	11 28 60 8 15 60 7 19 59 6 27 59 11 9 59	8 18 59 3 9 59 1 9 55 12 25 60 10 9 59	2 26 56 10 21 56 7 7 61 10 16 60 11 8 56	5 9 60 6 28 59 6 16 59 5 27 61 4 4 61 10 22 58 10 4 57 2 24 60	10 5 11 5 11 5 11 5 12 5 12 5 12 5 12 5 13 5 14 5 15 5 16 5 16 5 17 5 18 5 18 5 18 5 18 5 18 5 18 5 18 5 18
SIRE	1192713 1192713 1189870 1157986 1192713	1192713 1179372 1189870 1199324 1179372	1189870 1157986 1286036 1189870 1179372	1189870 1320458 1020473 1189870 1190632	1189870 1189870 1112211 1192713 1189870	1082891 1099477 1244845 1179372 1112211	1112211 1300014 1112211 11,89870 1199324 1189679 1206798 1300014	1300014 1189870 1189870 1099477 1070036 1099477
<b>∀</b> ⊨	44'44	***	<b>ત્વ</b> ત્વ	4444	<< <<	~ ~ ~ ~		
COW	4792294 4754418 5006634 4825746 4973237	5208975 5129713 5051697 5467472 5193719	4977155 4829737 4790310 5043220 5279753	5322562 5212676 5052587 4980820 4986695	5051343 5087234 4263655 5281366 5123585	4193836 4792762 5441320 5339971 4334205	5477453 5005876 4907737 5584777 5414758 4764214 4491216 5067908	4854832 5027505 4994315 4454053 3706820 4363460 4744546
HERD CODE	23360214 23360257 23360275 23360275 23360275	23360308 23360308 23360316 23360316 23360316	23360354 23360354 23360371 23360388 23360389	23360415 23360415 23360415 23360416 23360416	23360427 23360463 23360467 23360474 23360478	23360478 23360497 23360575 23360577 23360577	23360590 23360633 23360648 23360702 23360715 23370013 23370020	23370064 23380014 23380059 23380129 23380148 23380148

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SIRES	
DHIA	
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PROGENY	
HIGH-RANKING	

NDEX FAT	98 90 67 61	82 72 141 116 88	79 94 115 74 51	88 88 61 77 68	60 60 29 42	26 63 103 71 34	57 60 52 74 53	73 71 56 56 52	102 46 54 36 32
COW IN	1733 2603 2247 2184 1993	1963 2261 3071 2045 1896	1796 1944 2276 2033 1815	1802 2196 1725 1922 2408	1755 2317 1728 1793 1915	2059 1908 2423 2200 1771	1869 1712 1774 2466 1823	2534 1776 1760 2565 1764	2098 2407 1779 1906 1898
SAR		m m			2	m		e	
OF COW FAT C	662 595 845 753	662 802 927 902 754	784 875 938 831 821	909 678 725 750 809	660 598 521 587 568	536 746 815 811 583	697 653 741 722 639	713 956 601 671 714	882 623 644 628 515
	00000000000000000000000000000000000000	3.7	4.0 4.1 3.7 3.5	3.7 3.7 3.7 3.7	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	2.9 4.1 4.0 3.3	3.6	33.50	3.1 3.1 3.1 3.1
PRODUCTION MILK %	17013 16840 23140 22930 16875	17938 22437 23313 20840 18715	19785 21263 22310 22717 23540	22555 18683 19700 20025 21870	17290 17092 16100 16653 17202	18620 19250 19685 20430 17610	19470 17842 19790 20210 17750	20435 24130 16749 20700 21470	22540 20350 20120 20300 15695
VERAGE NO.	2000	48812	0 m 0 m 0	26-24	NWWWN	7777		21811	22114
AVE	305 305 305 305	298 305 260 305 226	305 305 305 305 305	305 305 305 305 305	305 270 280 305 300	288 305 305 305 243	305 300 302 305 305	305 305 296 288 305	305 305 305 305 305
E AV.	489 423 600 510 424	485 640 607 528 571	632 694 663 644 674	609 459 507 535 557	506 477 478 504 508	494 523 510 545 520	545 505 572 544 466	511 682 473 431 507	572 516 495 538 466
HERDMAT	13968 11003 15385 13111 11619	12766 16749 16099 14555 14492	15904 17363 16790 17570 18280	15463 12026 11994 13819 13740	13579 12573 12854 13211 13747	12235 13192 13622 12909 13841	14654 13270 14832 14728 12543	13982 16259 12673 11339 14414	15790 14343 14338 14681 12145
ADJ.	0100	10 12 5 1	9 16 17 41 46	25 11 5 14 6	5 9 6 17 9	3 110 113 113	32 9 2 2 2 2 6	6 8 8 6 6 8	119 116 118 3
BIRTH DATE MO DA YR	9 17 58 5 27 58 7 30 60 12 15 59 8 26 57	9 24 57 2 6 54 8 12 56 12 5 58 8 2 58	11 1 58 1 5 59 2 20 60 7 7 58 6 28 59	2 9 60 10 1 53 5 19 61 1 6 60 5 2 60	3 20 57 10 16 55 10 10 54 10 8 56 10 4 55	2 22 58 12 4 60 4 18 58 1 2 61 12 9 59	10 8 58 12 13 55 1 18 60 10 26 55 1 6 58	5 1 59 5 31 61 1 7 52 10 20 60 4 6 61	5 9 57 12 15 58 7 19 61 9 19 59 1 25 56
SIRE E	1070036 1261857 1244845 1189870 1187680	1187680 1156779 1261857 1261857	1261857 1261857 1261857 1286222 1286222	1142734 1082891 1287089 1156447 975138	975138 975138 975138 975138	975138 1244845 975138 1244845	1085978 1038489 975138 975138	975138 1102436 1108504 1300014 1351021	1102436 975138 1179372 975138
⋖	ৰব বৰ	<b>444</b>	< < <	***	<b><i><b>4444</b></i></b>	44444	***	<b>4444</b>	***
COW	4825738 4660326 5237122 5024634 4477856	4522773 4111408 4635761 5073960 4930501	4825289 4827033 5043237 4747093 5065550	5033370 3801464 5563070 5083478 5273117	4427216 4188143 4017379 4470094 4146135	4859880 5204956 4831530 5354710 5095681	4730511 4141320 5080525 4128673 4540593	4917871 5678904 3632311 5039064 5547699	4516640 4880914 5454090 5137171 4225443
HERD CODE	23380155 23380166 23380195 23380208 23390029	23390030 23390047 23390047 23390047	23390062 23390062 23390062 23400052 23400052	23400057 23400057 23410012 23410021 23410047	23410050 23410070 23410087 23410087 23410095	23410114 23410120 23410133 23410134 23410136	23410152 23410165 23410171 23420020 23420021	23420046 23430001 23430010 23430010 23430099	23440003 23440003 23440003 23440004 23440012

	NDEX	44 32 33 33 39	69 33 44 40	53 50 79 65	74 69 57 64 81	54 60 35 109 81	44000 5000	-121 -122 47 67	45 36 37 49	4 4 4 5 5 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5
	COW II	2218 1804 1863 1787 1717	2132 1820 1959 1855 2098	2061 2116 1936 1880 2262	2371 1754 1917 2630 1942	1828 2034 1730 1822 2574	1956 1832 1812 1990 2453	1788 2002 2121 1827 1736	2070 1753 2039 2003 2003	2056 2370 2062 2075 1767
	CAR				m	2	m			
	OF COW	686 564 632 852 509	608 534 610 628 607	588 666 613 782 759	703 787 585 729 810	535 725 693 889 857	693 560 550 684 736	572 611 707 615 713	559 649 654 766 603	719 606 748 598 530
	0 %	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	3.2	3.14	88500	94999		3.6	4.6.6.6.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4	000000 000000 000000
	PRODUCTI MILK	19320 16627 19820 22700 15033	16787 17350 16413 19390 18700	17515 19150 17950 18985 20540	18716 20690 16825 22950 20290	14960 20820 19800 20675 23375	19278 15920 15690 19492 19470	18493 22575 20385 17255 18975	16400 18330 19470 20510 17990	22600 18410 22530 17645 16383
SIRES	AVERAGE	46444	60400	2222	5-2	2 1 1 2 2	4 6 2 5 1	******	23-1-62	16124
DHIA SI	AVE	295 305 305 305 300	305 303 303 300 305	305 305 305 305 305	304 305 298 305 305	305 305 305 163 305	240 299 301 305 305	305 305 305 305 305	291 305 305 292 305	305 305 305 305 301
0F	FAT.	602 512 527 547 440	445 453 490 515 489	458 458 454 560 522	543 613 441 498 524	401 517 609 545 593	535 443 469 558 436	507 605 557 507 523	476 561 551 640 487	595 487 547 462 489
IG PROGENY	HERDMAT MILK	14876 13151 14417 14866 11987	12317 13409 12692 13307 13214	12727 12481 12178 14835 13140	14055 15852 12545 13712	10990 14560 14629 14952 15081	13883 12359 11778 14588 11236	13407 16238 14820 13289 13412	12534 13473 13184 16431 13414	16231 13220 15267 12808 13199
GH-RANKI NG	ADJ.	133322	8 20 114 14	10 16 11 7	10 13 18 8	111 5 6 30 13	13	16 22 22 6	7 6 12 9	120111111111111111111111111111111111111
HIGH-	BIRTH DATE MO DA YR	12 26 55 2 12 56 3 23 59 12 21 60 12 28 56	10 6 54 6 15 57 9 6 54 8 12 60 9 27 59	8 21 58 3 6 59 1 26 59 5 2 59 9 28 61	10 14 54 1 4 61 6 8 57 11 15 60 8 1 60	1 17 60 6 8 55 10 2 60 3 21 59 9 29 59	10 6 57 10 27 56 11 28 59 9 23 56 4 1 61	1 29 57 11 10 59 10 6 59 2 4 58 12 13 57	10 7 55 11 24 58 6 4 58 12 12 57 1 9 58	11 4 59 8 2 57 6 9 60 1 20 58 12 10 55
	SIRE ENUMBER	975138 975138 975138 1189870	975138 975138 975138 1216957 1296729	975138 975138 975138 975138	975138 1347940 975138 975138	975138 975138 1244845 1189870 1271019	1046259 975138 975138 1099477 1347940	1187680 1190632 1296729 975138 1099577	975138 975138 975138 975138	975138 975138 1296729 975138
	< ≔	दरदर	ददददद	दवस्वन	4444	বেবধন্ব	22222	दिवत्स्व	44444	ददददद
	COW	4482357 4162542 4909862 5325875 4318782	3925237 4898364 3983805 5559269 4995478	4646285 4843434 4839892 4937376 5538513	3925842 5261800 4664936 5300530 5223234	5046514 4771769 5238813 4907804 5053533	4955507 4542832 5223646 4357963 5379584	4741734 4944790 5198220 4720723 4615464	4121635 4764273 4678169 4646032 4541651	5019835 4595027 5135090 4811489 4263138
HOLSTEIN	HERU CODE	23440014 23440019 23440026 23440026	23440037 23440037 23440040 23440040	23440059 23440059 23440064 23440103 23440103	23440103 23440103 23440110 23440111	23440116 23440135 23460127 23460222 23460321	23470017 23470026 23470057 23470081 23480074	23480076 23480107 23490020 23490030 23490065	2350005 2350005 2350005 2350008 23500027	23500033 23500056 23500074 23500078 23500081

INDEX K FAT	72 73 73 74 84 85 85	44 672 84 44	49 61 62 67 110	71 55 24 68	35 63 63 62	78 98 74 39	69 63 63 54	93 94 94 75 75	41 58 72 47 32
COW I	1938 2254 2025 2608 1769	1880 1788 2421 22256 1752	2198 1847 1836 1714 2247	1916 1800 2198 1784 2119	1964 2271 1826 1959 2525	1910 2929 1838 1834 2112	2039 1820 1801 1833 2523	1730 2898 2629 1716 1716	1889 1747 1907 2030 1782
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CAR	m						m		
OF COW	668 747 723 666 451	602 538 593 537 600	557 487 578 723 891	717 605 576 779 774	602 668 618 678 630	652 709 779 641 526	784 646 634 580 628	591 608 667 639 621	687 745 702 603 568
	3.5	######################################	3.7	3.6 3.6 3.4 3.4 8.0	0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	2000 2000 2000 2000 2000 2000 2000 200	3.7		3.4.4
PRODUCTION MILK %	18950 20153 21445 21195 14635	5680 7740 7502 8370	7210 3263 5280 0545 1485	8910 6600 9064 9050	0000 9990 7120 9770 8445	7580 0087 0760 7723 6433	11840 7470 6705 5490	17680 18175 20380 17490 17980	2440 2020 9183 7720 6845
	12221		7777	m m m m N	NAAAA	-00	00		7777
VERAGE NO.	18222	12221		16212		~~~~	10000		
DAYS	305 305 305 305 251	305 305 278 302 305	292 304 282 305 301	305 305 303 303 305	305 305 305 305	303 305 290 303	305 305 298 305 193	305 305 300 305	305 305 303 305 305
AV. FAT	501 571 567 565 384	497 411 414 470 468	454 349 437 530 543	531 485 550 530 560	519 444 514 514	428 476 622 499 453	6111 486 513 413 495	484 370 480 461 487	522 514 512 481 481
4ATE	NICHOL			010 0 01 0	08044	60004	© → → →	600 m m	94710
HERDMATE MILK F	1317 1531 1451 1447 1087	12638 11854 11684 13146 13522	12541 9657 11706 14957 14266	13282 13135 14860 14042 15166	14090 12543 11902 13424 11734	11493 13272 16102 12980 12024	15618 13531 12831 11504 13631	1293 1044 1359 1281 1330	14886 15034 14122 13317 12740
ADJ.	9 22 17 10	111 20 20 14	15 8 7 6 18	41 6 9 9 9	8 18 15	17 8 15 12	118 113 110 114	16 7 7 8	49 23 7
DATE	5 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	55 55 55 60	55 55 50 50	60 60 60 60 60	60 59 59	52 2 2 2 2 2 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 2 4 2 4	61 60 60 60	56 56 56 59	60 60 59 59
	110	112 16 13 27 21	8 7 30 30	17 13 18 18	15 20 20 8 112 26	18 24 30 19 27	10 19 11	23	19 18 18 24
BIRTH MO DA	12 12 3 4 4 8 8	12 10 112 112	92920	21 12 12 2	110	10 8 2 2	111 8 9 9 8	12 10 12 12	10 12 2 2 7
SIRE	138 135 135 138 138	138 138 138 138 138	138 138 138 138 957 870	940 138 138 138	138 138 138 014 014	436 741 978 848 138	940 138 138 138 138	138 138 138 138 138	920 015 504 014 014
SIRE	97513 97513 121313 97513 97513	975138 975138 975138 975138	975138 975138 975138 1216957 1189870	1347940 975138 975138 975138	975138 975138 975138 1300014	1102436 1092743 1085978 11184848	134794( 975138 975138 975138	975138 975138 975138 975138	133092 119901 110850 130001
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COW	4793170 4435340 4893815 4757657 4819286	142069 5114110 4803509 4115699 5380248	3936838 4196449 3941196 5125957 4948683	5280402 4180902 4536007 5247690 5160461	5288720 5235645 3972246 4811445 4909664	4868426 4581238 4975948 4572660 4006918	5496205 4310003 5274368 4580194 5247477	5286230 4990815 4338815 4454716 5197123	5268017 5070100 4965146 4916279 4977109
Z	474 485 478 481	511 480 411 538	395 415 394 512	418 453 524 524 516	528 397 481 490	4 4 9 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	525 525 526 526	528 499 449 519	507
JE	31 31 32 31 32 32 32 32 32 32 32 32 32 32 32 32 32	52	224214	. 2244	73 73 73 76 76	111 386 79 33	25 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	88 112 28 28	100 22
COD	3500327 3530082 3540031 3540046	5000 5000 5000 5000	23550004 23550021 23550024 23550026 23550031	23550032 23550032 23550042 23550044	3550068 3550073 3550076 3560012 3560103	3560111 3560136 3580106 3580179 3600003	3600019 3600028 3600045 3600058	3600086 3600098 3600112 3600112	1000 1000 2000 2000 3006
HERD	23500327 23530082 23540031 23540046 23540065	2355003 2355003 23550003 23550004 23550004	235	235	2222 2322 2322 2322 2322 2322 2322 232	235 235 235 235 235 235	236( 236( 236( 236(	23600086 23600098 23600112 23600112 236001128	23610002 23610002 23620010 23620017 23630042

	NDEX FAT	67 95 76 47	50 70 61 60 59	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	66 36 39 29	69 65 65	0444 044 050 050 050 050 050 050 050 050	45 71 53 51	77 78 69 42 46	61 71 44 56 57
	COW IN	1889 1997 1746 1901 1849	1824 1776 2265 1969 1743	2091 1770 1815 1810 1840	1759 1962 1757 1885 1746	1841 1780 1781 2879 1874	2430 1799 2208 1935 1763	2070 1770 1841 1781 1887	2192 2046 1994 1824 1994	2058 2088 1873 1828
	M CAR									
	OF COW	682 651 647 670 627	753 762 820 705 659	624 657 762 733 838	569 646 749 661 600	708 634 586 735 781	696 734 686 681 707	739 562 592 644 616	775 744 723 654 702	627 672 561 763 612
	ODUCTION ILK %	3.6	88884 8884	88888 44946	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	WWWWW WW O O W	33.34	3.0 3.0 3.0 3.0	3.5	~~~~~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	PRODUC MILK	18000 17474 17420 18467 17543	21790 19930 24690 20750 16265	18465 19080 20990 21768 22675	14595 21330 22680 19593 19220	18360 19440 16157 24870 22340	20203 21730 20800 18465 19210	22800 14660 15940 17720 17625	21030 19520 19655 18606 22005	19005 18825 17720 20200 17690
SIRES	ERAGE NO.	36 13 5	7717	2	13155		E-123-13	400	72757	11000
DHIA S	AV DAYS	305 305 305 305	305 305 305 305	305 302 294 305 305	280 305 305 305	305 280 304 305 305	297 305 305 305 305	305 293 294 305 298	302 305 300 302 303	305 305 305 305
ENY OF	TE AV. FAT	522 440 498 509 457	594 529 552 464 475	504 488 515 658	417 535 587 572 531	495 536 421 461 523	562 558 577 569	590 367 423 539	585 552 562 576 622	443 503 486 578 459
-RANKING PROGENY	HERDMA	13312 12188 13219 13434 12297	16151 13614 14645 12873 12296	13275 13672 12933 17171 17342	111103 15065 14993 14441 14702	13429 13718 11648 13356 14846	15017 14533 15211 14353 14671	16687 10087 12158 14149 14269	16012 15017 15336 15496 17683	12174 14175 13827 14239 12578
RANKIN	ADJ.	112 23 44 8	9 3 9 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	6 4 5 11 22	18 17 14 14 33	179 179 188	11 14 17 10 16	11 19 10 11 15	10 10 7 7 29	14 11 11 28
HIGH-	BIRTH DATE MO DA YR	1 15 60 7 23 56 12 22 57 12 9 55 9 24 56	10 17 60 8 30 59 9 1 60 5 4 57 3 23 59	2 11 59 1 5 60 8 29 60 2 28 58 8 9 59	9 16 59 11 14 59 8 15 60 2 1 59 4 6 58	2 24 59 1 19 61 1 6 59 11 6 58 10 13 58	10 6 58 9 27 59 7 5 58 12 10 59 10 4 60	1 5 60 6 10 60 1 5 59 2 18 59 10 29 58	6 14 59 5 14 58 7 19 58 9 17 56 1 29 59	10 22 59 10 12 58 9 6 58 10 13 59 4 23 60
	SIRE E NUMBER	1179372 1082891 1085978 1082891 1230486	1244845 1038489 1271019 1270654 1300014	1300014 1300014 1157986 1157986	1112211 1157986 11189870 1189870 1035164	1112211 1148087 1282867 1272187 1243847	1112211 1268640 1268640 1112211	1035164 1112211 1112211 1112211 1112211	1112211 1112211 1112211 1035164 1112211	1124780 1112211 1112211 1148087 1112211
	A	< < < < <	नवन र	<b>444</b>	বৰণৰৰ	<b>4 4</b>	क संब	~ < < < <	****	~~~~
	COW	5008748 4588321 4602668 4135152 4804182	5202162 4961223 5156533 4415295 4923142	4825715 4994020 5201736 4660484 4975194	5029017 5017400 5252196 4847683 476668	4981835 5282247 4870141 4786602 4883401	5065425 4975331 4748268 5021570 5347873	5050581 5117068 4777192 4816893 4780875	4938652 4633936 4726896 4264260 4922693	5406023 4759254 4776762 5107956 5159522
HOLSTEIN	некр соре	23640150 23640054 23640058 23640098 23640105	23640144 23640205 23640226 23640242 23650001	23650080 23650170 23670021 23670067	23670104 23670127 23670160 23670202 31020001	31029014 31029080 31020320 31030058 31030059	31039064 31039315 31039315 31040009	31040024 31050200 31060009 31060036 31060050	31060056 31060056 31060056 31060056 31069060	31060063 31060070 31060350 31069400

INDEX K FAT	74 53 66 57 84	50 72 62 49 66	58 100 33 37 51	90 32 16 6 46	32 23 52 40	64 19 24 56 83	72 74 58 113	62 63 63 51 55	00000 0000 0000 0000
COW IN	1745 2023 1787 1729 2233	1827 2190 2045 1784 1925	1711 3104 1768 1769 1778	2397 1926 1815 1874 1748	1962 1865 1744 1846 1718	2087 1879 1778 1780 2433	2079 2190 1785 1863 2003	1908 1739 2315 2066 1849	2035 1824 1780 1766 2136
¥ CAR			т	m		m		<b>c</b> o	
OF COW FAT	632 621 793 809 944	616 685 745 631 689	840 1180 476 664 609	842 601 653 602 555	702 662 692 573 651	704 670 642 689 778	622 673 654 781 596	702 569 577 640 660	679 586 513 647 604
	3.9	3.6	3.9 3.1 3.1	3.6 3.3 3.0 3.1	3.6 3.6 3.6 3.6	3°00 3°00 3°00	3.6	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
PRODUCTION MILK %	16363 18760 19700 22100 24620	18030 19007 20505 17933 18760	21360 29630 14560 21650 17167	23645 18280 21630 19690 17860	22580 20643 20570 15817 19700	21380 22060 21255 18980 21750	17640 18615 17680 19963 17240	20020 16265 16860 19715 18955	19597 16920 16778 18200 20140
AVERAGE 'S NO.	~~~~		9-2-6	22-	~ ~ ~ ~ ~ ~	2	22222	22822	m-42-
AVE	301 297 305 305 305	305 299 296 289 284	305 305 301 305 295	305 305 305 172 293	302 305 286 305 305	83 305 305 305	305 305 294 305 296	301 301 305 305	304 305 305 305 298
E AV.	475 527 475 667 667	443 535 609 548 556	638 601 410 518 521	563 441 572 586 454	592 580 530 452 579	513 576 564 541 446	4448 494 512 535 488	515 451 420 492 506	517 394 421 463 456
HERDMATE MILK F	13255 14808 12068 17244 17244	13114 14549 16004 14707 15105	16285 15319 10962 14574 13957	15713 12001 15903 14258 12713	16697 15655 15027 12402 15386	15218 16017 15817 14357 12017	13019 13603 13394 14756 13350	13717 12842 11575 13726 13721	14093 111170 12389 13261 12941
ADJ.	98 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	11 10 14 20	10 6 8 14	152	16 10 12 12	21 14 14 13	30 14 21 21 29	110 2 2	6 115 118
BIRTH DATE MO DA YR	4 27 59 9 13 58 2 15 57 11 29 59 12 22 59	11 9 56 10 1 58 9 9 59 10 4 58 9 25 58	7 18 60 11 29 60 8 4 57 10 11 59 5 25 58	12 4 59 1 12 61 11 17 60 9 18 59 10 21 60	1 1 59 8 1 57 9 19 60 9 24 58 7 6 58	10 26 58 11 23 61 11 6 55 9 22 60 4 2 60	7 30 58 10 11 58 9 15 59 9 26 57 9 7 58	11 30 59 12 23 57 4 23 57 12 7 58 7 31 59	9 24 58 8 12 59 10 2 57 2 7 59 1 8 61
SIRE	1112211 1112211 1013415 1192713 1192713	1035164 1112211 1112211 1112211	1244845 1190632 1035164 1328115 1112211	1095002 1138441 1138441 1324464 1199324	1196645 1013415 1148087 1112211	1112211 1138441 1013415 1112211 1294809	1112211 1112211 1148087 1121706 1112211	1124780 1112211 1221761 1237332 1113350	1013415 1162188 1013415 1113350 1244845
< ∺	44444	44444	<b>44 4</b>	< < < <	<b>4444</b>	~~~	***	444 4	~~~~
COW	4864619 4805934 4458559 5021870 5012390	4349147 4687169 5138325 4821563 4821562	5353243 5343630 4513471 5031639 4651644	5068267 5583275 5303376 5052053 5528446	4823174 4433356 5394906 4752774 4704239	4817031 5695463 4172314 5195033 5672590	4684919 4871206 4965936 4573879 4822007	5121922 4588727 4592189 4943604 4985981	4804119 4953467 4458448 5057158 5345306
HERD CODE	31069800 31089008 31110527 31119646	31120105 31120308 31120570 31120720	31129735 31129735 31140008 31150063	31170010 31170010 31170013 31170017	31179200 31179200 31190002 31199039	312200018 31220006 31229019 31230009 31239077	31240112 31260001 31260006 31280725	31290660 31310004 31320009 31329012 31320330	31320840 31360012 31380009 31380017

NDEX	82 86 62 61 81	53 21 44 91 57	4 4 5 5 5 5 5 7 5 7 5 7 5 7 5 7 7 7 7 7	240212	61 29 56 50	90 41 41 44	25 1113 1139 72 72 31 85 64 64	24 7 63 58 67
COW II	1838 2151 2151 2151 1812 2465	1958 1748 1868 2032 1895	1782 1815 1900 1993 1971	1924 2030 1767 2029 1792	2309 1771 2168 1732 1850	2017 1756 2183 2073 1753	1916 1747 1871 1816 1742 1821 2221 1864 1946	1233
CAR		m m			m		m	m
OF COW	671 644 504 700 687	682 602 674 770 638	533 719 632 629 614	647 578 677 662 509	673 760 663 616 628	676 623 761 586 684	563 784 884 777 606 702 690 717 617	543 504 733 831 688
NO NO N	3.4 3.4 4.6 7.6	2 m 4 m m m	4 8 4 9 6	4.0 9.0 9.0 9.0		3.34		
PRODUCTION MILK %	18530 17470 14930 18590 18650	21030 18300 20080 18890 19090	15875 18770 18570 17590 18637	18830 17797 21620 21480 16995	20320 20990 21400 17750 18400	17418 17780 22180 17878 18515	18360 20323 21343 22180 19540 19958 18320 19150	801 736 024 331 105
AVERAGE	12212	2	24626	mm=22	-0-0-	22142		) <i>т</i> янн
AVI	305 305 305 305	283 305 191 305 305	305 305 304 305 295	303 305 305 305	305 300 305 227 305	305 305 305 305 305	3055 3055 3055 3005 3005 3005	289 303 305 290
FAT.	446 457 365 524 483	509 496 557 433 484	454 445 494 440 521	511 449 568 528 436	431 598 519 454 430	474 416 496 459 499	520 520 524 527 526 526 526 526 526 526 526	509 516 497 602 450
HERDMATE	12735 12042 10058 13806 12670	14358 12906 14779 111847 13839	12302 12810 13759 11850 13646	14030 12659 16128 15161 11801	11083 16032 13925 12731 11000	12895 11674 14630 12672 13619	12132 15026 15671 15671 15058 15259 15259 14813 14813 14229	8448
ADJ.	5 23 18 20	10 10 10 40	30 11	10 7 38 23 13	2 6 11 16 6	7 7 10 10	2 2 2 2 2 2 3 3 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	7 8 12 13
BIRTH DATE MO DA YR	11 28 56 10 26 58 10 26 58 8 13 60 9 16 59	9 18 60 10 26 60 9 12 60 11 11 60 8 18 58	8 7 58 3 16 61 4 6 57 12 29 58 5 18 58	12 20 58 10 19 57 10 25 60 10 29 57 2 8 59	11 25 59 2 11 60 6 29 60 1 1 55 12 10 59	11 21 55 1 6 59 2 28 61 5 12 56 3 27 59	7 27 60 8 31 58 8 24 58 10 8 61 5 11 56 12 2 58 3 29 59 10 10 58	2 3 14 5 5 6 2 2 6 5 6 5 6 6 6 1 1 1 9 6 6 6 6 6 6 6 6 6 6 6 6 6
SIRE NUMBER	1221761 1221761 1112211 1112211 1112211	1203114 1138441 1113350 1179372 1112211	1112211 1203114 010227079 1113350 1242222	1113350 1303911 1138441 1013415 1285347	1312792 1113350 1138441 1044678 1237332	1231951 1196645 1138441 1013415 1113350	1138441 1121706 1121706 1330652 1013415 1013415 1112211 11148087	1035164 1035164 1035164 1113350 1148087
A H	<b>4444</b>	<b>&lt;&lt;&lt;&lt;</b> <	<b>44</b>	K 44	< <	~~~	ৰ্ব্বৰ্ধ বৰ্ধবৰ	
COW	4376368 4776321 4740428 5207925 4994528	5354449 5201542 5180272 5285594 5087636	4723405 5354469 011348996 4780933 4592446	4846821 4534060 5200709 4577297 4906517	5123215 5095654 5543576 3969531 5313705	4731752 4887627 5377904 4323100 4916317	5228527 4700429 4700428 5448674 4327673 4827677 4848166 4916693 5193437 4793695	4322858 4443749 5180991 5264428 5187767
HERD CODE	31390160 31390490 31400003 31400600	31410005 31420041 31429925 31450045	31450513 31450513 31469038 31460042 31469079	31470036 31479150 31479204 31479204 31479204	31499007 31499210 31510001 31519026 31510330	31510840 31529018 31529041 31529078 31520195	31529273 31529650 31529650 31529650 31520650 31520650 31540021 31540022 31540022	31540180 31540180 31550390 31560015

	NDEX	44 411 48 48 39	64 79 108 72 58	5.8 9.0 9.0 8.9 8.9	24 56 72 72 56	64 0 0 4 4 6 8 6 8 6 9 6 9 6 9 6 9 9 9 9 9 9 9 9 9	40 80 54 41 72	69 78 89 69 58	54 67 116 132 86	54 65 90 58 70
	COW I	1797 1797 1850 1732 2010	1796 2365 2381 2141 2016	03 88 93 74 84	1879 1837 1905 1838 1787	2072 1970 2369 2119 2054	1967 2476 1844 1725 2105	1742 1854 1984 1893 2026	1933 2255 2187 2558 1991	1768 1950 2641 1986 2322
	CAR								m	
	OF COW	642 574 567 562 592	656 753 825 739 643	694 634 570 713 699	550 689 602 676 617	680 552 617 589 619	600 696 585 612 717	717 654 718 728 678	549 748 873 885 780	675 805 726 806 776
	TION %	3.6	W W W W W W 4 & W W		0 * E E E E E E E E E E E E E E E E E E	3.2 2.4 2.7 3.0 3.1	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	9999	88888 87.000 1.000	88888 8889 8889 8889 8889
	PRODUCTION #	17630 16145 18555 15137 19013	18810 21990 21445 21400 19675	B 0 ~ 0	18553 20035 19733 18777 18785	21500 21110 23140 19400 20205	18950 19295 17075 19345 22775	18355 17943 20787 19570 18880	17610 20383 22250 22573 21297	19390 21655 21930 23590 23300
)	AVERAGE	22222	-62-2	22662	мимии		12222	246-6		12211
	AVE	297 305 305 296 304	305 305 305 305	305 305 305 305	294 305 305 305 305	305 305 305 305	305 304 305 305	305 305 305 305 301	251 305 305 299 305	305 305 305 305
	FAT	449 416 460 456 457	464 579 527 511 520	551 424 409 472 484	490 532 494 488 475	470 466 479 427 468	477 475 475 527 527	513 519 526 442 557	411 547 538 532 535	501 658 490 582 497
	HERDMATE A	11991 11096 13319 12000 13478	14105 17001 15761 14970 15277	901016	13795 14845 14991 14238 14690	14756 14870 14714 12165 13798	13342 12591 13282 15267 17411	13499 14275 14772 12125 15238	12218 14577 16144 15897 15779	13729 17491 15333 15897 14011
	ADJ.	12 10 10 5	25 15 11 23	14 27 15 10	8 9 41 48	60 30 55 13	12 13 13	10 10 8	9 10 13 12 9	8 5 8 5 4
	RTH DATE O DA YR	3 11 58 4 18 59 9 5 58 1 3 58 2 20 56	3 9 58 1 23 58 9 5 59 3 17 59 9 11 59	50480	9 13 57 1 2 58 2 1 59 2 23 58 7 22 60	1 26 60 9 1 60 3 2 58 7 13 60 8 31 58	1 9 56 1 18 59 0 24 58 2 13 59 2 20 59	6 14 60 0 10 57 8 1 58 2 17 59 2 10 56	2 21 60 2 1 57 8 17 56 2 4 56 9 16 57	3 10 61 9 18 59 8 30 58 1 10 61 2 5 61
	SIRE BI	1042139 11113350 1113350 1035164 1042139 1	1112211 1112211 1112211 1112211 1112211	1148087 1112211 1013415 1113350 1302422	1237332 11113350 11113350 11113350 1244845	1199324 1 1199324 1221761 1136441 1013415	1035164 1 1148087 1 1112211 1 1148087 1 1302422 1	1113350 1221761 1121706 1113350 1035164	1112211 1042139 1247237 1247237 1247237	1148087 1112211 1112211 1227684 1326270
	≪ ₩	বল্বব্ৰ	বিব্রব্র	বৰবৰ	বৰৰ	<<<<<	<b>eeee</b>	<b><i><u> </u></i></b>	< <	বিববৰ
	CCW	4605201 5176351 4665839 4780740 4384413	4714143 4880859 5065748 4880864 5065749	5065754 4978807 4511812 4579156 4981522	4711933 4928710 4876963 4648014 5153584	5338383 5266253 4648017 5243973 5132501	4698441 5008976 4758406 5008977 5039047	5164621 4550038 4695296 5105446 4477168	\$107738 4507250 4291690 4291697 4527758	5513908 5298541 4683719 5268300 5255191
	HERD CODE	31570240 31599027 31590033 31630003	31630360 31670828 31670828 31670828 31670828	31670828 31709300 31709300 31720020	31720020 31749044 31749045 31749045	31749045 31749045 31749045 31740525 31750016	31750016 31750040 31750385 31750560 31760004	31769049 31769049 31769054 31760087 31769513	31780029 31789102 31780336 31780336 31780336	31780348 31780744 31790210 31809053 31809058

NOEX	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	445 441 69	23 23 23 23 23 23 23 23 23 23 24 24 25 25 25 25 25 25 25 25 25 25 25 25 25	42 103 106 45 56	55 76 78 72	39 74 64 83 65	50 61 65 73	57 36 36 75	67 89 30 34 26
COW II	1757 3085 1813 1892 1848	2391 1734 1954 1740 1833	1895 1954 1772 1846 2057	1775 2427 2329 1738 1727	3807 1852 2583 2037 1803	2406 2500 1919 2014 1742	1843 1807 2000 1833 2385	1838 1731 1847 1721 1995	2226 2348 1757 1954 1842
DF COW FAT CAR	563 763 544 612 639	644 696 623 730 753	645 735 626 646 712	583 667 930 783	752 761 695 614	775 865 659 743 615	610 611 548 698 798	782 566 620 580 714	631 750 677 636 681
NOI.	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	3.50	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	3.5 3.1 3.1 3.6	3.400 m	88888 8888 8888 8888 8888 8888 8888 8888	20000000000000000000000000000000000000	4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -
PRODUCTION MILK %	15015 21170 15030 18167 18260	19430 21280 17957 21000 20540	21020 222200 18730 20290 19370	17980 17613 24750 23820 19280	27945 22480 21885 22270 17248	24195 25490 18070 19210 16590	17585 18780 15985 19210 23265	22400 15880 18840 17803 18310	18310 20450 22020 20180 21207
RES RAGE NO.	2	m-m24	13223	21131	4 - 10 - 15	2	21212	12152	22-25
DHIA SIRES AVERAG UAYS NO.	305 305 305 305 305	203 305 305 305	305 305 305 305	305 305 305 305	305 305 305 305 302	305 305 305 300	305 305 305 305 305	305 305 305 303 305	305 305 305 305 305
OF AV.	423 369 356 467 449	511 547 506 572 566	545 535 536 418	419 427 586 604 553	518 548 522 583 485	600 584 431 471 436	484 484 370 440 581	553 420 459 492 479	438 491 559 537 615
PROG ERDMA MILK	11457 10059 10240 13098 12238	13915 14631 12698 15698 16005	15942 16142 13768 15725 11227	11244 12192 16524 16801 14022	14732 15241 14913 15701 12915	16526 16472 11956 12929 11668	13223 13225 10187 11877 16145	15050 10587 12722 13565 12496	11858 13644 14993 14515 16544
ADJ.	35 19 19	20 5 115 24	19 6 9	12 18 14 30	12	14 6 1 50 14	20 13 6 4 12	20 11 16 15 16	117 15 15 15
HIGH-RANKING BIRTH DATE ADJ. H MO DA YR NO.	11 13 56 2 11 54 9 30 58 9 9 57 9 30 60	7 28 57 11 21 60 1 12 57 3 2 57 10 31 56	2 9 58 1 25 59 6 12 58 10 5 58 8 8 60	12 14 60 11 17 58 8 23 56 9 27 60 6 10 59	7 26 58 11 7 58 9 30 59 10 12 60 9 9 56	1 1 59 12 9 60 6 12 61 9 12 59 10 6 60	12 11 59 4 6 60 5 15 59 7 24 60 8 29 59	5 22 58 9 29 55 1 28 61 11 24 58 6 7 59	10 13 55 2 10 57 5 3 60 11 8 58 7 12 57
SIRE	1035164 1035164 1112211 1013415 1302422	1221761 1113350 1013415 1013415 1013415	1013415 1013415 11113350 1113350 1154946	1154946 1192713 1221761 1315498 1013415	1246183 1113350 1302422 1199324 1184848	1119514 1244845 1244845 1192713 1192713	1162188 1244845 1344413 1332588 1113350	1155198 1119514 1179372 1065220 1065220	1158687 1260087 1262705 1262705 1262705
A I	ব বৰব	व्यवस्य	4444	***	***	***	< <	বৰবৰ	
COW	4365623 3918250 4803000 4458038 5307092	4597481 5345330 4553440 4386188 4294455	4588477 4874633 4800926 5128474 5241319	5566020 4859834 4256753 5158512 4936602	5135220 4769879 4978317 5274949 4674427	4840575 5248423 5366076 5044570 5471253	5046763 5163451 4894680 5188563 4924382	5038783 4447113 5331961 4777119 4996664	4406535 4367408 5551203 4871269 4711562
HOLSTEIN HERD CODE	31810002 31839026 31840227 31850017 31850017	31859055 31859097 31850105 31859187 31859187	31859238 31859238 31850272 31850374 31859465	31859465 31859890 31869051 31869051 31860100	31870017 31880004 31880630 32010043	32060903 32099042 32090162 32109160 32150480	32180282 32180410 32190240 32200533 32209769	32209962 32250325 32250553 32250901 32250901	32300820 32329044 32320760 32320760 32320760

INDEX	59 83 98 115 55	49 66 74 85 115	46 59 67 104 40	89 74 88 67	71 53 33 43	76 76 56 51 85	000000000000000000000000000000000000000	31 62 103 96 54	45 32 83 68 68
CON I	1820 2447 1813 1960 2043	1846 2153 1732 2412 2134	2015 1726 1711 2321 2710	2065 2594 1965 2479 2096	2079 1770 1721 1943 1753	2249 2711 2008 1761 2086	2208 1780 2083 1715 1731	1719 2192 1960 2362 1877	1794 1783 2768 2438 1764
M CAR	m		m				4 m		2
OF COW	689 678 701 795	659 636 770 906 961	790 721 697 905 634	715 812 672 852 734	643 653 706 645	570 578 774 668 706	658 739 768 640 699	680 657 688 716 587	509 553 628 625 569
	24.04 10.04	4004	w w w 4 w 0 0 0 0	9 4 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8	3.6	3.4 3.5 3.9	0 N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D O N D	######################################	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PRODUCTION MILK %	18840 19330 18887 20080 21650	19360 18417 19120 24370 23670	21650 20310 18425 22460 21390	18435 19830 17278 21670 19380	17355 17830 17590 22030 19633	16905 18470 22200 18180 18275	21850 22900 19870 17987 21430	20380 19130 17393 19955 16970	16973 17505 20365 17940 16650
VERAGE		26444		200444	26	2122	25-	8 - 8 - 8 - 8	40000
DAYS	299 305 289 305 251	305 305 305 305	305 305 305 305 249	295 305 305 305	305 305 305 305 304	305 305 305 305 505	305 305 305 245 305	305 305 305 305	247 305 305 304 305
TE AV.	484 484 486 582	517 467 519 566 547	561 547 503 564 494	492 470 457 444	469 489 496 576 535	349 358 613 502 514	504 526 501 504 536	601 438 464 489 439	389 392 447 446 446
HERDMATE MILK F	13220 13166 13390 13176 15667	14010 12923 13576 14721 14616	14932 14797 13465 14626 13975	13559 13703 12373 11416 11042	11998 12097 12776 14259 15196	10385 10612 16380 12854 13234	14291 15151 13833 13646 15892	16029 11650 13222 13846 12300	11645 11939 12836 12329 12634
ADJ.	18111	20 7 6 6 7	26 15 14 14 25	16 17 13	13 15 7	48 42 11 19 11	15 18 2 4 14	18 20 10 6	32 12 11 10
BIRTH DATE MO DA YR	8 20 61 12 22 57 9 30 52 3 15 53 12 6 59	1 13 57 2 5 59 9 10 60 6 29 61 9 30 59	1 4 61 3 15 60 12 13 57 8 12 57 10 10 58	10 4 59 2 2 58 7 13 57 1 15 61 1 26 61	12 24 59 9 2 60 11 27 58 7 7 60 6 8 58	10 8 59 10 11 59 3 22 57 9 20 60 8 12 57	9 17 60 11 6 60 12 8 59 9 15 59 10 10 60	3 6 58 12 5 60 7 18 58 5 7 58 9 2 60	7 9 58 9 4 60 10 7 59 3 23 58 10 31 59
SIRE	1244845 1307195 1121706 1121706 1065220	1263958 1113350 1179372 1184848	1138441 1179372 1282991 1239480 1138441	1192713 1221761 1013415 1154946 1154946	1179372 1179372 1192713 1300339 1283081	1290852 1320691 1282303 1244845 1239480	1244845 1322069 1329295 1329295 1179372	1272896 1244845 1276344 1276344 1330183	1257052 1190632 1276344 1276344 1276344
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COW	5498325 4571609 3812664 3704704 5083331	4602500 5143882 5472802 5368664 5140931	5328817 5050851 4549851 4982961 4669536	4944512 4592176 4527405 5585949 5585951	5392351 5247435 4795588 5593366 4643548	5080806 5053394 4382503 5191599 4513740	5268180 5268182 4996857 5013746 5197106	4880380 5324968 4848973 4744461 5290483	4769304 5255377 499634 4569489 4982080
HERD CODE	32339048 32380482 32430280 32430280	32449650 32440901 32459768 32460241 32469590	32469901 32469901 32500530 32500592	32550763 32570320 32570452 32570480 32570480	32570480 32570480 32570536 32570767	32590041 32590041 32640762 32710820	32739480 32739480 32790710 32790710	32890712 32890714 33010110 33010110	33020715 33020715 33020740 33020740

	FAT	73 75 99 55	74 47 62 66 79	93 93 60 60	46 47 71 47 66	70 66 61 62 85	52 44 54 54 54	82 66 66 80	90 50 70 72	85 36 17 14
	CON I	1808 1721 2156 2888 1845	1715 2015 1774 2331 2580	1715 2188 2412 1876 2057	1801 1818 1973 1830 1844	1886 2144 1992 1837 2310	1817 1760 2361 1755 1723	2042 1928 2401 1741 1899	2521 1936 2331 1737 2498	1943 1816 2495 1733 1966
	CAR	8							8	
	OF COW	662 610 660 808 639	733 478 717 635	555 787 809 707 578	668 671 755 595 672	716 638 707 671	724 624 521 524 605	576 647 664 559 740	676 677 633 705 654	698 603 724 670 679
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IRES	ERAGE NO.	H 20 8 2 H	нмннн	82-12		42-	21621	42112	44088	60444
DHIA SIRES	AVE	305 305 294 305 305	305 305 305 305	905 905 905 905	305 305 305 305 305	305 305 305 305	300 300 300 300 300 300 300 300 300 300	909 909 909 909 909	305 305 305 305 303	305 305 305 305 287
ENY OF	TE AV. FAT	450 409 525 555 479	538 380 584 401 369	467 517 559 555 475	502 500 572 476 552	589 396 494 551 499	594 482 452 441 425	399 474 468 584	495 596 608 564 507	515 554 596 507 483
HIGH-RANKING PROGENY OF	HERDMA	12123 11303 13342 14127 12848	14583 10138 15427 10938	12851 12964 15056 14497 13451	12335 13139 14544 11970 13832	15046 10878 12868 14160 12305	14434 11941 12094 11196 10769	10445 11468 12768 13558	12775 14998 15165 14595 13187	13197 13895 14996 12756 12644
ANKI	ADJ.	18 9 112 117	10 11 6 8	10 12 8 9	112 13 7	111 18 10 111 8	12 20 12 11 15	25 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	<b>1</b> 0000	6 8 9 10 26
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	SIRE	1090340 1090340 1090340 1077788 1282185	1182696 1203114 1182696 1077788	1239480 1203114 1265694 1350190 1182696	1330183 1330183 1276344 1282185 1090340	1090340 1244845 1203114 1090340 1090340	1282185 1282185 1090340 1203114 1203114	1276344 1244845 1265694 1265694 1265694	1265694 1265694 1265694 1265694 1265694	1265694 1265694 1265694 1190632 1182696
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	CCIW	4062464 3874459 3532993 4490972 5578520	5253561 4834938 5312132 5153851 4747284	4599270 5001795 4839580 5312081 4754257	5491192 5352397 4794365 5391802 4371159	4411941 5326985 5428332 4278264 4519540	5072371 5229307 3670495 5120223 5467659	5101569 5172395 5053902 5207232 4710543	4603692 4598575 4837696 4598576 4710546	4710545 4837699 4598574 5207231 4891274
HOLSTEIN	HERD CODE	33030172 33030511 33030518 33030617 33030617	33039842 33050110 33070313 33070841 33070841	33090270 33090347 33100671 33136144	33130410 33136512 33136841 33180142	33180277 33180518 33180711 33210142 33210142	33210172 33210172 33210311 33210715 33210715	33230511 33240111 33240441 33240640 33240841	33240841 33240841 33240841 33240841 33240841	33240841 33240841 33240841 33240841 33280715

INDEX	84 51 60 44 79	41 126 67 57 71	54 48 80 60 69	100 99 47 68 68	37 71 72 63 54	39 62 55 57	61 84 46 46 56	68 75 61 58 49	68 77 59 77 116
COW IN	2253 2112 2415 1812 3265	2060 368 <b>7</b> 1959 1838 220 <b>6</b>	1861 1753 2582 1946 1716	2519 2436 1821 1722 1862	1798 2007 1720 1850 1796	1731 2046 1761 1944 2051	2191 1881 1734 1914 1773	1836 1993 1887 1913	1950 1753 2087 1760 2939
CAR				2					2
OF COW	644 521 636 592 731	578 825 573 738 756	670 510 669 613 528	659 792 634 566 677	646 614 759 589 618	672 718 646 620 652	603 828 706 675 650	616 760 579 716 622	559 636 569 664 713
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AVERAGE 'S NO.	vv-	110011	m22	4 N m	4 11 12 11 14	- v 4 o w	15001	11555	H0404
DAYS	304 305 305 305 305	305 305 305 305	305 305 305 305 305	305 305 305 305 294	305 300 305 305 305	305 305 305 305 305	305 305 305 305 305	303 305 305 305	305 305 305 292 292
E AV.	486 381 425 493 425	461 481 458 542 515	515 386 516 438 396	457 505 515 452 605	613 478 549 392 473	585 549 551 545 557	475 578 602 571 488	499 576 462 542 552	375 463 474 490 467
HERDMATE	13319 11358 10707 14037 10707	13371 13190 12591 14201 13801	14387 10344 13885 11878 10232	13300 14199 13875 12844 15671	15084 13307 14586 10223 12594	15024 14296 14249 14446 14327	12434 14810 14995 14971 12553	12734 15769 11578 15257 14181	9427 12831 12805 13321 12421
ADJ.	12 12 3 24 3	16 10 6 19 17	8 7 7 118 15	8 7 13 6 14	9 2 115 111 14	27 17 11 10 11	13 12 15 16 12	36 14 7 13	5 10 12 16
BIRTH DATE MO DA YR	10 14 55 6 23 61 4 29 61 7 30 60 7 8 61	2 20 61 9 12 57 9 22 52 10 27 60 2 16 61	12 6 60 2 25 61 12 15 58 7 31 59 1 20 60	5 8 58 11 2 58 2 24 61 10 2 58 8 26 59	9 12 55 10 27 52 12 12 57 5 31 61 8 11 56	2 28 54 2 9 56 12 18 55 9 16 54 12 16 56	11 12 61 10 20 58 7 21 55 7 1 60 1 9 61	3 11 56 1 18 58 11 22 54 10 7 60 11 18 58	8 6 57 2 4 57 9 28 52 6 26 56 3 14 58
SIRE B NUMBER	1090340 1282185 1244845 1244845	1244845 1090340 1090340 1244845 1282185	1282185 1282185 1182696 1269172 1276344	1276344 1330530 1282185 1182696 1192713	1090340 1090340 1216957 1179372 1217611	1109640 1182696 1182696 1182696 1090340	1182696 1235894 1109640 1203114 1282185	1090340 1112211 1090340 1282185 1182696	1090340 1090340 1090340 1090340 1182696
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COWNUMBER	4336629 5566225 5586134 5165948 5566816	5300598 4795039 4001573 5202079 5357555	5361841 5699394 4858247 4980096 5236882	4740240 4920177 5285780 4674750 4995798	4124889 3652972 4584833 5494678 4321668	3854430 4463036 4207675 3942784 4415599	5504739 4793830 4120993 5588192 5246574	4188732 4549083 4603680 5211960 4769628	4696589 4528682 3586865 4580348 4747501
HERD CODE	33310140 33319142 33310342 33310342	33310342 33310342 33310440 33360516 33360516	33360540 33360710 33360724 33370213	33400740 33410110 33410270 33410270	33410441 33430240 33430351 33430356	33430515 33430516 33430546 33430546 33430546	33430671 33430676 33430676 33430710 33430711	33440148 33440148 33440213 33440340	33440411 33440412 33440570 33440570

COW INDEX

OF COW FAT CAR N 6000

					-RANKIN	HIGH-RANKING PROGENY OF		DHIA S	SIRES		
COW A NUMBER I		SIRE	BIRTH MO DA	H DATE DA YR	ADJ.	HEROMATE MILK	E AV. FAT	DAYS	AVERAGE S NO.	PRODUCTIO MILK %	1
380472 A 761127 A 583435 A		1182696 1090340 1244845	10 2 5 1 2 1	20 56 6 53 12 62	987	13095 13057 13949	499 502 555	305 305 116	4 9 1	16993 18483 21040	$\omega \omega \omega$
7 A S		1282185 1182696		25 61 13 54	22	37	530	305	7	22800 17140	(1) (1)
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z «	2 2	34			~	101	462	305	-	15287	חמים
8	13	855		S.	30	15582	589	305	-	22050	<b>(C)</b>
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4 K	11	OL OL		16 61 8 61	30	13014	478 502	305		17750	6.4
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A 109	109	0340	12	4 54	n oo	13809	484	305	5 0	18525	9
A 109	109	0340	12	7 57	o o	14081 12067	485	305	w 4	17097	mm
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: «d	109	0340				454	564	305	7	20840	) M
	109	0340	11		8 8	12865	571	305	- 6	20 /60 19566	w 4
	109	0340	11		6	14071	564	260	m (	17613	m i
4 4	109	0340	<b>20</b> 4		20	13908	531	305	n m	15/90	n m
50155 A 118 49944 A 120	118	1182696	4 4	9 60 12 59	ထေထ	11338 13507	410 500	304		15750	, w
A 118	118	2696	6	10	80	13888	493	292	4	18168	60
A 109	109	090340	m 4	20 12		13679	486	280	4 1	17613	יון מ
5205663 A 128 5088725 A 107	128	2185	111	8 60 23 59	20	10978	423	305		17360	4.6
V 7	128	2185	10	9	00	15561	51.8	305	-	21440	~
·	118	182696	10	6 55	o m a	575	544	301	440	20733	, m ,
	127	6344		U 40	13	14943	544	305	2 2	19680	04
٧	133	0183	10	9	œ	15912	979	162	1	21680	3

INDEX K FAT	60 78 76 76	53 86 51 50	81 84 67 65 76	50 73 63	44 60 82	61 61 64 81	50 50 50 50 50 50 50 50 50 50 50 50 50 5	101 62 80 73 21	47 34 89 51 70
COW I	1786 1721 2442 1732 1957	1897 2411 1772 2768 1762	1858 3083 1926 2042 1797	2541 2247 2373 1819 2018	1905 2087 1818 1859 2491	2176 1780 1776 1867 2009	2138 1898 1727 1917 1829	2121 2085 2416 2186 1925	2182 1963 1966 1887 2611
CAR					2			2 2	m &
DF COW	599 797 722 687 644	561 637 450 654 587	681 904 819 775	617 711 695 638 533	630 537 621 520 663	616 635 719 597 744	665 599 618 662 638	697 649 644 592 559	588 745 750 750
	8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	33.33 3.53 3.54 5.53	3.77	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
PRODUCTION MILK %	18370 22570 21300 18750 17695	19980 18155 13480 19180 16065	16725 27870 22110 20810 18647	19174 18143 20347 17270 14980	17450 16270 18148 14407 18180	18213 17157 18510 16122 18560	18995 19400 17100 19090 19410	17235 19980 17950 17050	17907 16304 18640 14620 23890
AVERAGE F	21212	-2222	229	N W W W 4	<u></u>	4 w H w H	24462	4-865	#1000m
AVE	300 305 305 305 305	305 305 305 305	305 305 305 305	303 305 305 305	305 305 297 305 305	305 305 305 299 305	305 305 305 288 305	301 305 279 299 282	305 274 305 305 305
AV. FAT	498 594 505 480 488	472 433 370 445	504 600 600 601 554	547 525 520 493 425	448 440 518 417 510	524 535 506 498 515	578 494 499 529 505	485 492 497 568	524 514 574 575
HERDMATE MILK	1275 1687 1639 1566 1003	668 530 105 2296 723	1789 316 316 555 363	4320 3644 4721 2831 1377	095 050 1870 082 1459	1993 1072 1111 1892 1688	4074 4082 2631 3643 4110	1345 1091 1427 1528 1513	1603 1979 1579 1840 1026
DJ. HE	1 14 2 15 5 14 8 13 7 13	3 14 7 12 5 10 3 12 9 12	3 16 15 16 15 16 15 16 15 16 15 16 15 16 16 16 16 16 16 16 16 16 16 16 16 16	2000	6 12 7 12 2 13 8 11 0 13	2 13 0 14 1 13 2 12 1 2	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 13	9 13 4 14 6 10 9 15
<b>ч</b>				M	2 2	0 m 0 m m	H H 04	W44HH	100
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TH	14 17 11 11 14	12 20 20 12 7	20 19 1 1 28 20	30 28 3 15 15	20 20 8 8 5	30 21 10 10 30	15 12 14 14	4 16 21 21 6 9	16 9 9
BIR	10 10 12 10 10	110101111111111111111111111111111111111	12 12 10 10 110	9 12 3	12 12 12 2	111 7 6	1122	12 8 12 12 12	21877
SIRE	1276344 1311216 1203114 1276344 1276344	1182696 1090340 1090340 1090340 11090340	1182696 1282185 1282185 1203114 1215995	1090340 1090340 1203114 1179372 1090340	1182696 1182696 1206220 1090340 1090340	1182696 1090340 1244845 1182696 1182696	1182696 1182696 1182696 1216957 1278914	1090340 1090340 1090340 1182696 1090340	1090340 1090340 1090340 1090340 1182696
A	< বৰব	***	***	<b>4444</b>	<b>44 44</b>	****	***	***	*****
COW	5185098 5293705 5216113 5184636 5022202	4983009 3678999 4063532 4892848 4263137	4550467 5232351 5313417 4977818	3449587 4525476 4774590 5062914 4204596	4356262 4735113 4194851 4712772 4218340	4461265 4805153 5491570 4280391 5220425	5220424 5220426 5394854 4982116 4796986	4315590 3585365 3692316 4917440 3994223	4301592 3947298 4962593 4603557 5164636
HERD CODE	33540672 33550145 33550270 33550718	33570440 33570440 33570472 33570670	33610145 33610170 33610170 33610170	33610170 33610170 33610183 33610220 33610240	33610279 33610279 33611342 33610353 33610359	33610359 33610366 33610414 33610418	33610418 33610418 33616444 33610449	33610513 33610513 33610513 33610533	33610541 33610541 33610541 33610579 33610678

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	CON II	1758 1858 2016 1755 1894	2157 1726 1796 2295 1906	1913 2436 2266 1967 2986	2374 1712 2436 1879 2293	2227 2367 3026 1729 1799	1789 1831 2238 2195 2784	2819 1983 1863 1754 1938	1885 1910 2470 2031 2301	1843 2051 1925 2063 2374
	CAR			7 7			2 2	8	2	
	OF COW	542 453 746 540 607	5 4 5 6 8 9 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	736 733 671 519 784	682 609 634 671 696	604 727 672 690 635	544 534 590 705 871	744 630 580 629 653	672 598 722 556 581	745 692 634 646 681
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	PRODUCTION MILK %	16320 15316 19485 19760 17050	21180 16520 13886 18420 16430	16840 18390 18705 14470 24630	18990 17075 18148 19220 19905	16403 20200 19088 19130 19560	14870 17553 16943 20450 23260	20407 17020 16653 16570 16530	17560 16573 21610 16795 16382	19080 21120 16550 17020 21660
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DHIA SIRES	AVE	302 293 305 292 301	305 305 297 305 305	305 305 305 151	305 285 305 305	305 305 298 305 305	305 263 293 305 305	305 244 305 305	297 305 297 305 268	305 305 305 305 305
ENY OF	ATE AV.	424 468 596 534 431	502 461 420 442 434	433 466 492 379 561	477 522 467 537 556	466 445 473 513 504	446 479 446 484 487	495 427 489 428	503 467 474 478	569 508 393 538
HIGH-RANKING PROGENY OF	HERDMA	11358 12269 15248 15155 11559	12553 12059 11002 11479 11437	11447 12419 13331 10817 14234	12566 13911 12426 13659 13259	12215 12212 12951 15059 13678	11906 13632 12471 13314 13008	14174 11638 11936 13798 11375	13606 12888 13446 12505 12163	15058 14703 13027 10881 13636
RANKI	ADJ.	19 11 12 18 12	111 9 5 86 102	102 79 3	17 16 20 10 10	17 9 62 27 27 28	16 46 45 112 111	9 6 9 6 9	29 31 14 9	27 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7
HIGH	BIRTH DATE MU DA YR	2 16 61 12 9 55 10 16 57 12 28 53 7 20 60	12 24 58 11 21 60 2 1 53 8 26 57 10 16 57	2 27 56 5 21 60 12 19 57 12 11 56 2 8 54	12 13 59 4 14 54 1 9 58 12 19 60 10 3 58	3 5 56 4 2 61 8 15 56 10 17 59 12 18 59	2 18 56 5 26 59 10 16 56 10 17 60 5 9 61	9 15 52 1 11 52 3 21 59 9 7 52 10 30 56	8 29 55 12 8 58 10 16 59 9 18 56 2 8 56	12 10 58 1 1 61 10 1 54 12 21 55 3 28 61
		1282185 1090340 1090340 1182696 1359717	1284558 1182696 1090340 1090340 1090340	1182696 1182696 1182696 1090340 1090340	1203114 1090340 1170465 1282185 1285815	1090340 1282185 1090340 1077788 1203114	1090340 1077788 1090340 1282185 1199324	1090340 1090340 1305613 1090340 1090340	1061172 1182696 1182696 1203114 1090340	1203114 1282185 1090340 1182696 1282185
	<b>V H</b>	<b><i>4444</i></b>	<b>4444</b>	~~~~	***	****	***	<b>ee ee</b>	44444	44444
	COW	5415357 4179042 4520210 3855012 5459472	4803381 5216874 3647056 4594499 4568780	4331946 5174494 4761077 4409056 4059002	5002971 3871222 4621852 5399009 4864430	4182009 5510035 4383900 5002022 5034147	4307453 4897552 4344809 5201850 5453676	3603626 3475471 4846964 3639221 4569784	4128064 4861065 5100275 4318270 4160142	4871366 5228967 4030989 4599305 5332504
HOLSTEIN	HERD CODE	33610681 33610712 33610716 33610735 33610853	33610858 33610864 33610864 33610867 33610867	33610867 33610867 33620112 33620170 33620475	33620843 33620912 33650710 33680147 33680370	33690148 33690272 33690344 33690410 33690671	33690672 33690676 33690716 33690740 33690846	33760310 33780270 33850111 33850343	33860110 33860145 33860145 33869146 33869146	33860153 33860157 33860157 33860279

VDEX FAT	62 95 60 52 61	57 72 54 74	56 80 39 96 87	68 76 59 73 44	59 59 67 67	33 67 92 84 103	66 93 72 65	55 34 87 55 55	66 59 79 71
COW INDI	1793 1971 2122 1971 1981	1849 1748 2197 1718 1751	2111 1761 1965 2775 1829	2124 2196 1713 2046 1790	1890 1818 1737 2061 1862	1713 2539 2077 2147 2745	2405 1947 2059 2217 1947	1860 1987 2076 2658 1769	2026 2243 1808 2507 1985
E CAR			2 2				7		
OF COW FAT CAR	736 691 539 646 724	590 677 653 501 681	687 719 646 709 722	615 648 595 596 629	598 565 553 657	675 630 625 664 704	516 688 660 667 791	736 668 613 696 492	692 775 807 731 697
110N	64868 67547	3,47,00		3.5	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.00	33.52	3.53
PRODUCTION MILK %	18880 16575 15418 15840 20580	16850 19020 20340 14345 17600	20580 18528 19620 19930 18380	17036 17733 16865 16170 18063	16333 15090 15380 17760 20980	20010 18490 15448 17710 19298	16170 18030 18190 20710 20380	23260 18607 19445 19477 14205	18783 22790 18850 21150 21580
AVERAGE 'S NO.	-440-	21142	- 12 C L L L	N M N 4 M	4-7-1	NW4&4	7777		41001
AVE	305 305 305 305 303	305 305 305 301 305	305 305 247 305 246	305 305 305 305 305	305 305 303 305 305	301 305 305 301 301	280 301 299 305 305	305 305 305 305	301 305 305 304
FAT.	543 496 442. 522 516	499 515 469 421 529	524 534 566 528 547	499 498 487 463 541	502 378 445 457 470	529 505 438 506 486	394 471 466 435 523	546 559 548 455	547 571 569 562 560
HERDMATE /	13748 13102 11524 13918 13869	12944 14446 13533 11580 14040	13862 14161 14898 14352 14999	13286 13388 13696 12489 14201	13086 10536 12128 11631 12833	14739 13104 11679 13898 13664	10307 13373 12958 12820 14480	14621 15159 14073 12397 9911	14507 14702 15088 14928 15492
ADJ.	20 115 13 10	6 10 7 23	21 12 13 4	9 7 8 9 1 4 1	114547	11 4 12 9 5	12 6 24 6	114 10 25 6	17 24 17 23 11
SIRTH DATE MG DA YR	5 61 11 56 31 57 18 59 3 59	25 60 22 61 28 61 15 53 29 60	27 61 8 57 18 60 8 55 12 55	10 53 8 57 1 54 3 53 27 58	1 57 17 53 15 51 28 58 20 55	13 60 27 53 29 57 27 52 11 52	25 59 17 59 1 58 21 58 21 60	7 60 22 57 18 59 28 58 31 58	10 56 15 59 2 57 12 60 18 60
BIRT	17 7 7 111 111	wwwww	247	111 4	8 6 7 7	3 8 9 11	1 12 9 9	22 29 11	4 1 1 6 1
SIRE	1282185 1090340 1090340 1077788 1077788	1182696 1182696 1182696 1090340 1182696	1282185 1216957 1244845 .1061172	1090340 1090340 1090340 1090340 1203114	1090340 1090340 1090340 1182696 1215995	1290914 1090340 1090340 1090340 1090340	1182696 1276344 1077788 1077788 1282185	1124780 1245390 1203114 1065220 1203114	1203114 1203114 1182696 1182696 1282185
A H	****	ददददद	<b>લ&lt; &lt;&lt;</b>	<b>೩</b>	ररवरर	বৰবৰৰ	***	<b>4 444</b>	< < < < <
COW	5332503 4260658 4695073 4983769	5129389 5356391 5326363 3842253 5132032	5363077 4380041 5158494 4087900 4163364	3784910 4531309 3831387 3783798 4611001	4747436 4055627 3471049 4753367 4268962	5163980 3833319 4726931 3572127	4845457 4985222 4810178 4810179 5221791	5403084 4492492 5098413 4856710 4785001	4198053 4989720 4306664 5064245 5221790
HERD CODE	33860280 33860412 33860443 33860443	33860511 33860511 33860511 33860540 33860612	33860612 33860614 33860614 33860619 33860619	33860710 33860710 33860711 33860722 33860730	33860841 33860841 33870271 33870443	33870516 33870711 33870711 33870740	33926775 33926775 33950278 33950278	33950414 33950414 33950480 33950480 33950416	33950841 33950841 33950841 33950841

HOLSTEIN

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COW I	2117 2083 1796 2063 2577	1894 1935 1763 2315 1741	2147 2000 1798 1983 1845	1814 1771 1960 1719 1855	2044 2667 3479 2033 2021	2089 1955 1989 2108 1822	1947 2209 1832 2028 2298	2469 1861 1735 2991 1719	2461 2216 1842 2003 1722
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F COW FAT CA	639 632 693 568 594	697 717 665 623 468	589 710 593 468 681	799 588 691 713 465	544 588 989 765	790 610 549 761 556	587 615 646 515 721	874 865 677 722 658	695 555 722 747 512
TION OF	40840	44.034	04 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		2 6 8 3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	33.3		64666 64006	3.7
PRODUCTION MILK %	18900 17395 18215 16680 16433	20330 19230 16570 17880 13955	16221 17400 15800 13893 19480	22670 16700 19530 18650 13015	17230 17993 25390 18525 23700	19620 16615 16645 20340 18530	19250 17120 19460 16933 22005	25000 19454 22450 22695 19005	23440 20855 19680 19000 15010
AVERAGE F	4 N & W	₩₩4V	~		-4-4-	12221		NN - 2 - 2	-0.660
AVE	305 301 304 305 305	305 305 305 305 299	305 305 305 305	305 305 305 305 282	305 305 305 301 301	305 305 305 305	305 305 305 305	305 305 305 214 305	305 194 305 305 183
AV.	470 510 527 494 416	578 453 375	482 431 422 390 549	574 401 498 511	460 465 475 518 535	487 434 426 618 398	406 403 514 416 566	544 587 499 495	472 529 545 569 376
HERDMATE MILK F	2155 3434 4495 3091 0933	5033 4331 2107 3448 0687	2409 1237 0639 0194 4423	5415 0960 4263 4589 9868	1547 2400 2207 3162 5547	2292 0948 0879 5617 1242	1462 1332 4150 1450 5010	5123 5281 5510 3662 4023	3596 4311 4761 4926 0300
ADJ. H	4 1 1 1 1 1 1 1 2 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 1 5 1 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 1 7 1 10 1 12 1 10 1	13 1 4 1 29 1 18 1 11 1	10 1 7 1 32 1 30 1	1 2 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	6 1 2 1 1 1 2 4 1 1 1 702 1	655 1 534 1 7 1 19 1	2 1 6 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15 1 14 1 14 1 17 1
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SIRE B NUMBER	1282185 1182696 1182696 1090340 1090340	1182696 1279897 1279897 1090340 1090340	1090340 1282185 1282185 1090340 1182696	1336265 1203114 1090340 1090340	1090340 1182696 1182696 1216957 1176853	1179372 1282303 1282303 1112211 1324142	010227079 1189593 1299262 1013415 1136435	1308101 1066280 1308101 1156779 1291834	1350864 1176853 1013415 1261857 1154946
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COW	5323645 4551425 5067101 3517357 4005651	5440137 4454189 4602723 4446564 3693897	3532994 5492621 5211963 4292340 5297179	5550837 4179560 4492375 4152974 3698790	3644242 4224908 5269284 4591574 4055093	5300781 4434484 4558113 5112868 5232800	5353550 4604096 5234423 4437761 4935896	5365423 3325549 5192495 5250929 4974358	5257641 5140315 4762211 4807772 5359847
HERD CODE	33960140 33960147 33960147 33960147	33960241 33960342 33960342 33960342 33960444	33960444 33960611 33960711 33960711	33969812 33980113 33980144 33980144	33980543 33990545 33990340 33990842 34090018	34120065 34140058 34140058 34190018	34190018 34190018 34230204 34250072 34290029	34300004 34300004 34320019 34320024	34320313 34330002 34330025 34330160 34330309

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CAR			2	m			m	
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TION	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	900000 600000	3.57		33.00	3.0		4.0
PRODUCTION #	18715 20370 18540 27590 22240	19480 22670 21420 19750 20085 17753 20500 19925 19620	17957 18800 19010 19180 21695	143 181 145 145 931 362	18255 20430 20337 20853	21590 23500 19833 21950 19190	987 781 781 783 798 498 938	19320 19683
AVERAGE 'S NO.	71217	15543 51515	88888		N-m4			32
AVE	305 305 305 305 305	99999999999999999999999999999999999999	305 305 305 305 305	305 305 305 271 305 305	305 305 304 301	305 305 305 305 304	305 305 305 305 126	303
TE AV. FAT	509 585 526 495 495	539 460 477 460 491 437 510 509	467 450 571 558 610	490 601 506 554 582	464 498 524 515	557 640 551 491 474	450-WU WOO	523 492
HERDMATE MILK F	13405 15206 14004 13902 13902	14572 14523 14762 12747 13315 13033 12358 14494 14493	12811 11926 15159 14960 16242	306 597 412 433 433 715	13337 13757 15164 14041	15420 16544 14685 13819 13583	167 728 2299 2299 212 212 3129 329	13403 14270 13610
ADJ.	118 115 42 42	118 128 10 10 118 128	20 18 8 8 14	14 14	13 26 9 17	14 17 15 15 16	10 12 8 8 7 19 19 36	24
IRTH DATE MO DA YR	11 25 59 11 10 60 11 15 54 12 17 60 10 25 60	3 13 60 4 19 60 5 27 59 12 5 60 7 3 59 11 12 57 9 4 54 1 1 60 8 2 59 6 23 57	11 9 56 1 28 59 12 6 58 9 4 58 11 21 58	0 3 6 2 5 5 5 7 2 5 5 9 2 0 6 9 2 0 6 9 1 1 5 1 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	12 29 59 7 19 60 2 8 59 1 9 58	12 22 60 9 4 60 6 26 58 12 2 60 9 27 58	44 27 118 20 9 19 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 60 7 1 54
SIRE B NUMBER	1175471 1192713 010239512 1330248	1189593 010267260 1192713 1189593 1179373 010256034 1183542 1288721 12588721	1070036 1013415 1112211 1112211 1098427		1189593 1244845 1192713 1068984	1175471 1355853 1262705 1247237 1098427	1179372 1179372 1065220 1244845 1263007 1061172	1189593 1186779
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COW	5089644 5420773 4076329 5204539	5088384 5194538 4948502 5395543 4935959 4070599 4991306 4454564	4668531 4954107 4774715 4751469 4819828	5296661 4469536 4970894 5086985 5259625 4807079	5054195 5328367 5191283 4603648	5548177 5176711 4871267 5281408 5048593	5382038 5292069 5081838 5198174 5057336 4533019 5187871	5037878 5037878 3953694
HERD CODE	34370062 34370062 34370065 34380213	34390014 34390067 34390067 34410003 34410024 3440003 34460067 34460067	34460069 34460189 34470004 34470004	34470055 34470055 34490047 34530010 34540051	34580028 34580043 34590004 34590040	34590100 34610001 34610078 34630037 34630134	34700088 34760019 34760027 34760084 34780014 34780014	34810064 34810064

DHIA SIRES

HIGH-RANKING PROGENY OF

77 98 69 COM INDEX 90 82 102 99 42 30 56 78 52 97 65 90 95 95 85 85 82 93 102 73 41 62 21 47 76 73 90 72 2073 1916 2854 1977 1889 1795 2148 2320 1860 1875 1748 2207 1727 1857 2141 1877 2252 1733 2108 1720 2137 1791 1836 1881 1926 2118 1928 1918 2069 1993 1775 1716 1757 2170 1717 1890 CAR OF COW 717 604 683 676 FAT 657 610 591 662 723 661 727 687 717 651 651 741 521 749 684 837 605 528 577 610 589 581 633 570 664 567 567 640 528 606 568 684 612 PRODUCTION 8 0 4 m 4 0 4 7 m 0 4.0 3.7 3.6 43.8 3.00 MILK 21790 17690 17950 19485 17775 19690 14620 20800 19690 22195 16725 19051 16870 16248 17115 15410 14430 17147 16200 16313 16873 18200 16370 16680 16798 16400 15550 16270 15820 16227 17090 AVERAGE DAYS NO. mmmmNN 4 8 m N 444-2-255 305 305 305 305 305 302 305 292 305 275 305 305 305 305 305 305 305 305 292 305 305 291 305 301 305 AV. FAT 513 549 470 4443 532 527 500 516 553 451 440 394 499 516 533 543 543 536 580 441 508 482 406 397 478 408 475 459 468 444 465 473 433 11493 10844 12843 11845 12842 13173 11856 11299 14352 12104 14575 14122 14110 14597 14338 14355 13900 14065 12982 10348 13917 13588 14343 12984 12875 12662 12892 12352 10916 13231 13568 ADJ. 98 88 12 118 19 116 27 27 24 36 21 36 7 22 22 22 53 16 16 11 11 4 4 6 1 6 2 5 2 5 2 5 2 5 2 4 7 0 1 DATE 54 60 59 56 60 58 57 60 61 60 552 552 552 553 BIRTH D MO DA 1 18 4 28 111 22 10 6 18 10 6 S & 23 31 14 6 6 4 31 24 14 30 26 16 16 16 8867-7 6 4 9 7 122 60 01 8 2 1 1 0 6 1070036 1070036 1070036 1177243 1192713 1222726 1149593 1292880 1292880 1222726 1222726 1222726 1070036 1244845 1244845 1244845 1245390 1070036 1070036 1070036 1070036 1070036 1070036 1070036 1070036 1070036 1070036 1070036 1070036 SIRE < 3970794 5072297 4985519 4317973 4755128 4755133 4640717 4755131 5121315 4701944 5202337 4363425 5221404 5380556 5164741 5257229 3631448 3539131 4110692 4110695 4693949 3702747 4458857 4302725 5251764 4994600 4755730 4576446 5251768 5251766 4576449 3492443 4551737 4768279 CO₩ NUMEER 35080068 35080080 35090020 35110081 35110081 35139005 35130007 35132011 35132011 35130012 35130012 35130012 35130016 35130018 35130018 35130018 35130018 35130018 35130018 35130018 35130019 35130024 35130024 35089033 35089013 35089013 HERD COD

DHIA SIRES

HIGH-RANKING PROGENY OF

121 82 54 86 106 82 179 111 73 94 99 99 90 90 90 118 74 85 85 78 77 77 83 70 70 94 94 16 62 81 81 57 COM INDEX 85 73 2460 2790 1977 2075 1911 1975 2383 1742 1981 1981 1990 1972 1862 2092 2246 1742 2053 22288 1914 1867 1907 2242 2218 22253 2350 1973 3197 1873 1731 1844 1733 1843 2078 2919 CAR PRODUCTION OF COM 625 636 745 850 563 493 673 573 705 579 705 762 598 533 700 871 684 743 559 567 624 780 782 872 581 573 550 658 732 728 585 722 802 625 3.3 33.7 44.0000 43.00 3.6 4 4 9 4 7 3.8 0 4 0 M 0 45.82.4 16797 19720 19433 20140 19240 19670 21340 21800 16870 18890 17180 16910 18968 19395 25300 17218 16903 22625 15403 15370 18060 19040 18863 19740 15434 15137 16357 18780 16740 19160 18928 17290 AVERAGE DAYS NO. 9 7 7 7 1 305 291 305 305 305 305 305 305 305 305 299 305 305 305 305 255 305 305 304 291 302 300 305 305 305 305 304 304 305 220 305 305 305 520 593 557 485 AV. 513 559 574 565 526 557 557 565 449 401 426 458 458 366 558 446 487 552 525 551 453 477 463 474 570 501 HERDMATE 12609 11123 11630 12281 13156 14942 14186 13175 3485 5481 5816 5209 12929 10160 14910 12592 14222 13862 13464 15113 15350 12596 13131 14105 11888 11955 14635 12829 12981 14773 13101 13710 14688 15209 16629 ADJ. 15 18 23 ~ 5 N O M 4 - - 8 -16 19 23 21 9 4 2 2 10 12 6 10 16 9 6 8 8 DATE 59 59 56 57 51 56 55 56 59 59 59 59 59 55 56 58 56 DA YR 60 60 60 57 58 58 58 56 58 58 61 20 3 22 22 11 31 23 20 14 31 23 28 28 7 31 7 16 9 24 30 5 29 12 BIRTH O.E. 111 7 8 8 9 2 111 9 6 8 -2---0 10 6 12 4 9 1070036 1070036 1070036 1070036 1070036 1070036 1070036 1070036 1070036 1070036 1070036 1070036 1070036 1238318 1070036 1070036 1070036 1061172 1061172 1061172 1070036 1070036 1070036 1070036 1234023 1070036 1070036 1070036 1070036 1061172 NUMBER 4186277 4270681 5151237 5020444 5001245 3958118 4669613 5176559 4387856 5417268 4952724 4321060 4484307 COM NUMBER 4144625 3899004 4306450 4984947 35139035 35139035 35130037 35130037 35130030 35130030 35130030 35130030 35130030 35139035 35139035 35130046 35130050 35130163 35159014 35150038 35150038 35150052 35159056 35159056 35159056 35130030 35130033 35130033 35130033 35130034 35130034 35130034 35130034 HERD CODI

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	COW I	1991 1886 1819 1953 2552	1748 1989 2925 1859 1856	1791 2172 2039 2505 2226	2146 1731 2161 2598 1940	2435 1722 2125 1763 2368	1901 1927 2129 1811 1805	2156 2006 2102 1894 1879	1810 2098 2470 1844 1903	1899 1720 1819 2217 1711
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	OF COW	6624 624 558 631 719	564 608 708 538 629	598 836 676 644 612	590 549 646 627 720	729 710 598 588 772	673 648 668 706 490	685 725 561 507 663	756 700 695 793 616	753 658 594 591 627
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	PRODUCTIO MILK *	17605 15810 16395 18613 20245	15520 18320 21030 16136 16323	17330 18163 18730 18477 15810	16883 15217 17610 18383 19730	18735 18850 17915 16820 21240	16755 19597 20533 19420 13980	17573 19180 16523 14570 18685	18302 19925 19597 20640 17740	20300 16540 15425 16707 16340
SIRES	VERAGE NO.	0-10-0	N N m	ненен	ww041	12221	9 m m N N	m=m24		26-
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ENY OF	TE AV.	515 406 471 457 487	402 433 459 450 449	433 527 484 510 288	473 445 458 474 497	488 535 452 458 515	492 531 559 534 361	473 475 443 370 553	544 566 511 562 477	465 429 402 428 437
NG PROGENY	HERDMA MILK	13278 10638 12671 12525 13949	11032 12707 13465 13001 12904	12707 13786 12867 13093 9011	12586 12178 12738 13066 14360	12897 15521 13167 13349 13729	13508 14718 15142 14101 10359	13245 13478 12360 10638 15379	15298 15229 14318 15751 12506	12646 12272 11757 12194 12116
-RANKING	ADJ.	30 5 6 14 2	16	16 4 9 9	4 9 9 0 1 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9	25 25 10 8 33	34 31 25 31 16	113 110 110	9 8 10 19	20 9 112 7
HIGH-	BIRTH DATE MO DA YR	4 8 59 2 12 59 1 5 57 10 15 58 10 8 57	7 29 57 9 28 60 12 7 57 12 28 56 4 21 58	7 21 60 10 28 56 10 6 56 9 1 51 10 13 51	5 27 52 8 22 52 9 28 51 5 11 55 11 5 59	10 1 57 8 26 59 9 15 58 10 18 57 1 8 52	12 26 51 9 6 58 7 30 58 1 8 58 10 9 51	10 21 58 8 25 56 12 15 56 1 29 53 10 3 57	12 4 55 10 23 59 9 15 58 10 26 60 8 25 60	10 1 61 12 6 60 4 10 58 2 13 59 10 25 60
	SIRE	1061172 1061172 1061172 1251676 1061172	1061172 1070036 1070036 1070036 1070036	1070036 1070036 1070036 1070036 1070036	1070036 1070036 1070036 1070036 1070036	1070036 1070036 1070036 1070036 1070036	1070036 1305613 1305613 1279641 1070036	1070036 1070036 1070036 1070036 1070036	1070036 1236789 1070036 1070036 1236789	1383551 1070036 1070036 1070036
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	COW	4867406 4891714 4403946 4839573 4490392	4454892 5462036 4530299 4301728 4693104	5225774 4370533 4370531 3499197 3675291	3533976 3669422 3494468 4050337 5008533	4472652 5039891 4726220 4508507 3573091	3693958 4877100 4786135 4610437 3478998	4760922 4274984 4408761 3751561 4582855	4206087 5059801 4662282 5232994 5316644	5571828 5239808 4867689 4837053 5239807
HOLSTEIN	HERD CODE	35159120 35150138 35159209 35159212 35150218	35169007 35170002 35170002 35170002	35170002 35179014 35172014 35170014 35170017	35170025 35170025 35170025 35170041 35170041	35170045 35179049 35170052 35170052	35179053 35179053 35179053 35179053 35170056	35170056 35172056 35170056 35170061 35179065	35179065 35179065 35170069 35170069	35170090 35170101 35170101 35170101 35170101

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	HERD CODE	35170103	35179155	35179155	35179155	35170157	35170163	35170163	35170180	35170194	35170197	35170198	35170198	35170198	35170198	35170204	32110200	35170208	35170219	35180034	35180034		35210046	35210046	35230041	524000	35240023	35240024	524004	35240043	35240050	35240050	35240050	35240050	35240051	35240054	35249057	200001

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COW I	1737 1887 2282 1918 1758	2216 1777 2017 1758 1928	2154 1856 2351 1765 1855	1722 1886 2368 1736 2408	1765 1993 1852 2502 1840	1736 1960 1781 1781	1714 1954 2158 1861 1758	2232 2087 1759 2018 1764	2061 2024 3335 2302 2299
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COW	612 673 718 462 562	559 572 802 541 634	853 766 678 549 552	607 622 693 693 646	665 602 621 746	2068 773 690 699 717	598 626 533 700 586	810 587 545 587 636	915 616 744 658 621
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111	184 192 183 135	167 165 185 146 176	212 184 191 156 150	154 168 183 178 178	PP 986 4	212 212 171 171 200	168 158 159 181 172	205 147 154 160 182	247 200 218 218 184
ERAG NO.	22-22	74-77	41421	~~~~~		12320	<b>₩₩₩₩</b> ₩	24464	- N E E E
AV	298 305 305 305 305	292 194 305 301 305	305 305 288 305 296	305 305 305 305 305	305 305 302 243 305	305 305 305 305	305 305 305 305 305	305 299 299 279 305	305 305 304 305 305
E AV. FAT	504 512 386 390 422	407 489 418 414 513	530 518 515 385 429	408 491 463 473 451	471 455 462 479 516	516 516 541 534	526 420 424 523 447	448 381 382 437 495	546 530 497 477 495
HERDMATE MILK F	14361 14572 11280 9527 12581	11694 13030 12816 11669 13627	14802 14677 14561 11137 11825	12440 13304 12777 13540 12707	209 300 307 334 517	12011 17201 13391 14170 14468	13833 11491 11539 14291 12682	13194 10811 10973 12177 13250	15791 15630 13964 13639 13947
ACJ.	32 32 9 4	40 8 8 7 7 4	E 44 10 10 10 10	39	11 11 11 11 11	10 10 10 16	111 16 19 19 19 19 19 19 19	23 88 37	0 4 4 4 10
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CCW	5117460 5004027 4017900 3910853 4377744	3531267 4527875 4974021 4415771 4392868	5014812 3948726 4139713 4089044 4268098	3734717 4719180 4670676 5025788 4479882	5331875 4609298 4530301 5268221 5381782	5160158 4315956 4926824 4279071	4573051 4208898 4777351 4385712 5587393	3999173 4442134 3831413 3898579 5359377	5147609 4445425 4417262 4455432 4455431
неко соре	35240060 35240060 35240067 35240073 35240084	35240092 35240109 35240109 35240117 35240127	35240127 35240127 35240137 35240144 35240144	35240145 35240149 35240152 35240162 35240165	35240167 35240178 35240178 35259033 35250054	35269028 35269028 35260032 35260032	35260032 35269038 35269042 35260122	35270009 35270029 35270043 35270045	35279077 35279077 35279077 35279077

COM INDEX 89 100 45 68 106 75 52 36 83 75 101 84 93 97 97 165 54 86 75 63 81 81 113 123 112 112 126 95 93 94 89 79 41 88 16 2047 1907 1924 1770 1890 1847 1712 1809 2150 1924 2587 2262 2970 2101 1724 2144 1959 2110 1900 1722 2677 1871 1798 1823 1989 1799 1735 1930 1847 1724 1921 1716 CAR **₹**000 FAT 650 506 437 527 703 797 522 631 533 767 741 855 556 575 545 567 566 657 678 661 649 665 691 708 687 691 612 680 554 571 657 603 664 731 599 0F PRODUCTION MILK % 3.7 3.6 7.84.9 933.9 0.00000 17223 21180 15920 20740 23450 18614 21217 16610 15110 16293 16710 20650 19213 18218 13723 15625 14840 15873 15748 14815 15500 16940 18238 15750 19157 18157 17685 AVERAGE DAYS NO. SANAS NERE 210 N H 5 9 19 19 19 19 2 - 2 - 2 ----302 305 305 288 305 305 305 305 305 305 305 284 305 305 290 305 305 305 304 305 305 305 305 296 302 301 305 305 305 305 305 305 305 AV. FAT 510 310 322 446 517 496 430 525 388 512 526 492 435 440 443 440 456 395 549 558 517 447 480 472 432 432 455 520 382 410 512 451 551 530 531 HERDMATE 14461 8846 9080 12622 11872 11881 10285 14970 12747 12810 12258 12897 MILK 13884 13793 14845 14412 11899 12091 12001 14358 13058 13789 11132 11679 13695 12366 14479 14636 14182 ADJ. 3 19 19 6 23 10 12 8 2 2 2 9 8 17 11 11 31 5 5 9 10 10 10 10 37 20 32 32 32 32 DATE 57 57 57 52 57 57 60 54 59 60 54 55 55 55 55 58 59 57 59 59 58 58 54 56 56 52 56 56 57 59 60 53 BIRTH D. 1 17 17 19 31 16 28 20 20 8 8 10 15 17 13 19 18 16 20 20 8 7 7 15 30 8 14 21 18 19~60 8 17 7 8 4 3 7-1500 ~~~ o o 9 9 3 12 12 12 1277493 1070036 1070036 1266508 1061172 1289586 1070036 1070036 1182140 1070036 1070036 1070036 1070036 1070036 1061172 1070036 1070036 1070036 1070036 1070036 1070036 1070036 1070036 1244845 1202814 1119514 1070036 4 4 < < < 4 4 e e a a a 4 4 4 4 < < < < < < < < < < < 4 < < < 4417260 4363426 4952784 4404655 3853924 4177390 COM 5628551 3876819 3535532 3563385 5002599 5102893 4710007 4372291 4532871 35320070 35320070 35320070 35320074 35320078 35320080 35320081 35329085 35320087 35329117 35329117 35329117 35329117 35320133 35320147 35320147 35320176 35320206 35340012 35340032 35340065 35280008 35320065 35320079 35319038 CODE HERD

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CAR			m	m				m	. m
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AVERAGE 'S NO.	4-046	46001	4000-	2 1 2 2 2	21212	004mm	m, 2 m, 2 m	26422	4-1450
AV DAYS	304 305 305 305 305	305 297 305 305 305	305 305 305 305 300	208 305 305 305 305	303 305 305 305 305	305 305 304 303 305	305 305 301 305 305	305 303 305 298 292	294 305 302 282 305
TE AV. FAT	549 559 580 571	461 465 518 518 501	446 492 430 551	566 562 575 572 448	432 405 418 418 412	418 412 473 459 497	409 453 498 511 498	496 464 502 427 449	428 467 515 459 513
HERDMATE MILK F	14517 14769 15065 14986 15141	12098 12122 13974 14015 14386	12036 13723 11685 14917 13656	15415 15270 15708 15235 12236	12224 11206 10711 10449 10653	10711 10488 13720 12205 13680	11175 12204 13340 14209 13574	13578 13008 12896 11707 12203	11862 12251 13909 12277 13731
ADJ.	44 24 31 35 33	16 14 24 27 13	21 13 9 13 4	23 19 25 17	6 9 9 9 9	99866	100	7 9 11 15	114 110 110 110 110
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SIRE	1189593 1244845 1244845 1244845 1244845	1061172 1061172 1061172 1061172 1070036	1068870 1070036 1234073 1222726 1061172	1214152 1178738 1178738 1350190 1230109	1090340 1245390 1061172 1061172	1061172 1061172 1061172 1236789 1061172	1263008 1184848 1244845 1245390 1237666	1061172 1061172 1349409 1061172 1061172	1061172 1061172 1061172 1061172 1061172
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HERD CODE	35340092 35340092 35340092 35340092 35340092	35340151 35340151 35340151 35340151 35340189	35369007 35360027 35370017 35410029	35419125 35419125 35419125 35410134 35410137	35440064 35460073 35480026 35480026 35480026	35480026 35480026 35480027 35480040 35480064	35480156 35510040 35570036 35570061 35599021	35599148 35599148 35610005 35659005	35659005 35659005 35659012 35659035 35659035

HIGH-RANKING PROGENY OF DHIA SIRES 75

INDEX	96 78 47 70	89 46 73 84 101	72 94 72 80 91	26 84 112 67 42	7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	50 44 41 50 50	93 105 68 37 64	39 82 64 63 106	89 109 105 85
COW I	2326 1939 1917 1915 1737	2609 2073 1751 1845 2218	1810 1825 1848 2269 2027	1720 1911 2122 1711 1754	1834 2268 1926 1785 1732	2017 1937 1742 1885 2023	1895 3002 1838 2079 2013	2540 2123 2116 1760 1833	1995 2591 1922 2026 1800
CAR	т		m				m		
OF COW	576 599 794 641 741	745 607 671 714 668	636 588 524 742 644	540 561 722 603 654	897 669 753 659 818	595 562 508 498 694	651 720 574 669 568	632 582 569 586 697	661 723 739 651 651
RODUCTION TILK #	3.69 8.49 9.49 9.99	88888 8888 8888 8888 8888 8888 8888 8888	989 989 989 989	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	3.5	888888 88888 88888 88888 88888 88888 8888	4 W W W W U	88884 1889	3.5 3.9 3.5
PRODUC MILK	15208 15800 23480 15800 19043	20643 18073 18320 18150 19300	17510 15573 15085 21170 17410	16570 16103 18915 16975 19090	21 <b>76</b> 5 19255 19418 18860 21900	18460 17100 14040 14780 20745	16370 20895 15995 22060 17130	20643 16800 17127 16386 16707	17050 22775 18060 16900 17450
ERAGE NO.	44	m44NN	22422	nwana	00040	22821	2222	мммимм	62444
AVERAGE DAYS NO.	301 305 305 305 305	305 305 305 305	305 298 260 305 305	305 305 297 305 305	305 305 305 301 301	305 296 299 305 305	305 305 305 305	305 305 305 305 305	305 305 305 305
TE AV.	385 382 603 404 543	523 551 500 470 467	465 428 433 564 478	454 432 484 472 531	679 526 636 559 649	456 513 442 421 514	433 462 443 526 452	520 457 463 519 500	517 579 441 370 441
HERCMAI MILK	10626 10364 16028 10484 13963	13937 14209 14199 12801 14226	13398 12248 11863 15881 13007	12905 12519 14178 13625 14005	16449 12435 15066 14660 16879	13491 13495 11309 11350 14676	12382 13021 12204 14512 12726	13819 12573 12878 13512 13359	13212 16389 12782 11101 12782
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SIRE	1061172 1061172 1313490 1061172 1183200	1214317 1236789 1284364 1270217 1070036	1199324 1070036 1070036 1236789 1070036	1222726 1070036 1070036 1236789 1295578	1300845 1049402 1049402 1260264 1291499	1245390 1245390 1245390 1245390 1315498	1061172 1061172 1061172 1373055 1061172	1230109 1070036 1061172 1070036	1070036 1070036 1070036 1070036
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HERD CODE	35650040 35650053 35659061 35659085 35659105	35659114 35659134 35670025 35670027	35670045 35670054 35679067 35679067 35670073	35670075 35670098 35670111 35689001	35680005 35680005 35680005 35689026 35689049	35710020 35720051 35720068 35720092 35720109	35730019 35730019 35739132 35739132	35739258 35740051 35749086 35759009	35780007 35780007 35780013 35780013

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PROGENY
HIGH-RANKING PROGENY

NDEX	114 41 94 84 63	86 89 72 34 139	885 74 31	43 73 73 95	27 66 39 54	63 47 67	71 74 70 70 66	44 4 8 2 4 4 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4	86 86 50 59
COW IN	2247 1792 1911 1940 2109	2257 1951 1729 1857 3368	1855 1920 2523 1887 1807	1980 1767 2392 1885 2804	1717 2000 1882 2068 1772	1857 2186 1809 1881 1723	1758 2232 2012 1739 1867	1746 1777 1853 1711 1795	2109 1716 1712 1868 1873
OW T CAR	27.73.2	7 1 8 8 8 3	0 S	0 W Q 4 Q	04000	7388	0 2 2 6 2	<b>∞</b> 4 <i>v v</i> ¬	<b></b> 256
OF CO	712 623 687 677 512	56 54 70 75	643 581 667 535	14 68 62 90 90	000000	604 588 563 617	73 58 77 62	65 60 62 62	88 65 67 77
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PRODUC MILK	18180 17613 17950 19480 16643	16437 14577 17263 22530 20604	17227 17840 20125 17490 15992	16350 16350 25050 17400 24110	19757 19655 21005 20807 19790	17413 16844 17397 17463 19770	19033 19600 16190 19850 17860	16960 19930 18600 18160 18500	22220 16210 17728 17640 18590
ERAGE NO.	<b>W4HHW</b>	m m m → in	m 01 01 m m		w 4 0 m 0	<b>Ф</b> ВММН	n-0	1788	m 0 4 0 1
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TE AV.	490 481 460 501 445	428 403 505 545 491	509 482 454 465	445 486 595 403 482	532 550 563 551 523	508 467 509 485 485	550 452 436 521 438	449 520 505 476 475	669 432 484 428 481
HERDMA	13578 13178 12723 14109 12457	11804 10872 14229 14941 13478	13813 13764 13438 12340 11940	11719 13203 16570 11767 13077	14915 15101 15549 15434 14813	14257 12819 14077 13924 13159	14583 12636 11807 14633 12313	11900 14104 14171 13007 12991	16881 11440 13700 12413 12826
ADJ.	111 8 7 6 8	16 13 26 11	11 12 16 7	13 37 5	13 8 14 19	33 33 11	25 8 16 10 15	113 116 117 115	12 6 13 9
BIRTH DATE MO DA YR	5 11 58 7 27 56 11 14 54 11 5 58 5 27 51	6 12 58 7 7 57 7 17 57 8 3 60 8 29 56	9 20 58 10 8 59 8 26 58 7 22 58 10 30 55	6 18 61 3 19 57 5 10 61 1 14 61 10 16 60	3 26 59 5 24 56 11 17 59 9 27 57 1 25 59	9 22 55 6 23 55 9 26 59 11 28 58 2 23 61	9 5 58 9 6 59 5 20 59 10 7 60 7 17 61	7 18 59 12 12 60 1 21 60 2 27 61 2 27 61	9 28 58 2 13 60 11 1 57 9 14 59 10 8 60
SIRE 1 NUMBER	1070036 1119514 1070036 1070036	1070036 1070036 1070036 1279641 1070036	1070036 1236789 1244845 1179373 1232246	1350190 1070036 1244845 1192713 1336033	1216957 1214317 1305613 1157446 1242667	1061172 1061172 1061172 1061172 1324354	1306247 1215448 1112211 1244845 1192713	1282305 1234023 1274339 1365341 1365341	1291724 1242791 1247008 1154946 1199324
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COW	4676115 4308201 3967939 4781712 3430177	4756244 4733881 4454480 5454504 4391078	4894868 4950245 4741143 4673756 4098134	5637281 4560132 5331819 5263804 5245957	4897510 4726911 5010602 4617026 5057368	4266263 4048274 4967881 4796018 5329180	4800573 5031624 4914033 5294160 5479843	5031332 5295614 5094817 5270277 5270276	5104481 5064575 4564034 4954118 5250940
HERD CODE	35780016 35780027 35780033 35780033	35780059 35780059 35780062 35780062	35780069 35780072 35789082 35780086	35790038 35790040 35790086 35799180	35819018 35819039 35829006 35829043	35889011 35889012 35889023 35889023 41109016	41139044 41199116 41199145 41240053 41250177	41270042 41340056 41409041 41469028 41469028	41460034 41490046 41529019 41650031 41660030

INDEX	138 86 54 114 120	58 40 127 44 76	71 76 66 50 70	64 64 64 35	88 71 68 101 57	109 82 63 87 56	102 79 83 89 35	76 57 85 61 82	61 49 38 87 60
COW IN	2231 2149 1789 2508 2404	1954 1895 1743 1958 2021	2435 2435 1804 1739 2101	2122 2156 2051 1779 1863	2372 1839 2033 2057 1739	1911 2528 1913 1986 1747	2484 2326 2024 1836 1856	1954 1728 1924 2231 2404	1847 1985 1720 1927 1789
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OF COW FAT (	809 902 531 772 831	739 675 856 627 566	643 587 639 650	724 626 584 537 509	662 645 637 761 681	758 642 690 682 724	848 706 577 646 628	756 605 763 658 622	664 753 585 638 585
	4.1 3.8 3.4 4.1	3.44	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	wwwww  w4040	3.7 3.7 4.1 3.4	3.44 3.44 3.44	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	3.5	
PRODUCTION MILK #	19657 24010 15525 19700 20117	21880 20023 17875 18590 15336	18380 17517 17830 18190 20620	20853 18330 16223 15842 16094	18120 16860 17392 18478 20125	18388 18868 20415 18497 21650	21700 19683 16134 17227 21000	20610 17700 20115 20630 17700	19870 22710 18100 18090 16268
AVERAGE S NO.	m → N m m		ненн	4 H W W W	24040	420EH	m450m	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	
AVE	305 305 305 305	305 305 305 305	305 305 305 305 305	305 305 305 305 305	305 305 305 303 305	303 305 305 305 305	305 297 305 305 305	305 203 305 305 290	305 305 305 305 305
TE AV. FAT	478 560 401 483 527	540 552 512 467 404	380 403 428 520 524	577 374 404 422 426	439 417 470 492 558	501 458 508 461 566	459 457 467 502 489	452 378 516 416 384	421 553 487 499 412
HERDMATE MILK	13427 15413 11244 13351 14030	15592 14543 12750 12740 111131	10724 11582 11923 12612 13309	15242 9741 11013 11917 11954	12054 11094 12473 13231 15965	13892 13199 14871 13468 16032	12395 14698 12562 13869 13576	12794 10789 14537 11707 10733	12481 14946 12978 14457 11455
ADJ.	15 25 40 44	14 15 22 23	16 18 7 5 16	10 34 42 29 32	42 19 5	10 7 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	15 10 11 9	04848	5 17 16 9
RTH DATE U DA YR	7 11 57 7 12 61 9 20 58 7 8 58 1 28 58	2 3 61 1 26 58 0 25 59 8 8 58 2 22 56	0 22 56 2 31 55 0 13 60 1 19 60 5 7 60	2 27 57 7 5 61 9 12 57 8 30 56 4 20 56	9 15 59 2 14 60 9 6 54 0 3 56 0 24 60	2 6 56 2 26 55 8 24 59 7 12 58 4 7 61	9 15 60 9 11 53 2 28 55 5 18 52 8 21 60	1 10 61 8 11 61 1 11 59 0 21 59 6 9 59	1 2 61 8 3 61 9 17 60 0 15 55 8 22 52
18 M	33808		00 1 2 2 1 1 8 8 1 1 1	66 1		2 - 1 - 2	28998	1000	1 2 1
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COW	4457689 5459758 4405847 4723361 4782898	5586391 4817060 5126756 4694255 4332554	4332549 4196654 5237856 5310983 5116331	4541444 5413383 4509988 4285902 4735277	4961819 5325616 3908706 4365202 5198108	4216767 4216786 497891 4692538 5354595	53396%9 3733007 4050333 3543208 5340097	5351597 5533977 5055742 4964952 4919603	5215867 5426054 5156688 4290535 3692879
неви саре	41669071 41710002 41720002 41749033 41749033	41829090 41859023 42070021 42099045 42109010	42100010 42109010 42120007 42129010 42129010	42140018 42189001 42189001 42189001 42189001	42189001 42189001 42199006 42199006 42199057	42229019 42229019 42220067 42220067 42220067	4225001 42250017 42279005 42270005 42330110	42336219 42336219 42336219 42369003 42369003	42369003 42389004 42380020 42380042 42380070

	CON IN	1943 1742 2340 2520 1887	00 73 93 02 11	1861 1918 1738 1751	1805 2580 1800 1861 2163	1738 2581 2148 1768 2299	3040 1788 1931 2222 2557	2044 1718 3068 2686 1818	1763 2243 2711 2259 1855	1770 2396 2244 1720 1766
	CAR	in .	m 10	<b>~</b>	m	<b>~</b>	N		m	
	OF CON	537 677 572 572 679	676 569 827 765 783	705 720 720 584	746 636 610 600 690	588 747 740 693 512	760 624 711 834 667	497 728 622 873 748	709 626 557 658 691	666 626 820 850 654
		40004		33.9	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	4 8 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	4 9 9 9 4 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9		8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
	PRODUCTION MILK %	15591 20915 20490 19627 19820	930 936	18210 17890 21605 15636	19953 17433 15980 16350 20520	15650 19570 22960 18270 18190	22450 16393 17260 23315 15707	14555 21440 20835 23680 16633	19770 19190 18550 19070 20020	18380 18197 23000 18970 18710
IRES	AVERAGE	23157	22211	2 - 2 - 2	m 4 == 0 ==	2-1-2	2222	31515	2-2	75-17
DHIA SIRES	AV DAYS	303 289 289 304	000000	305 305 305	248 302 305 305 305	301 305 305 305 305	215 305 305 305 305 298	300 305 293 305 305	305 305 196 305 305	305 305 305 305 305
ENY OF	ATE AV. FAT	386 533 444 507 516	16708 6	557 557 484	607 431 415 443 461	409 525 508 480 434	532 428 488 667 385	405 572 454 468 534	508 351 423 482 526	483 471 508 414 559
HIGH-RANKING PROGENY OF	HERDMA	10630 15153 12272 14168 14380	13981 13161 13771 13186 14550	349 190 458 278	16069 12168 11312 11816 13185	10612 13788 14369 12544 12491	13639 11867 13614 17510 10166	10885 16192 12168 13367 13433	14436 10220 12787 13470 14767	13319 13060 14023 11545 14688
RANKI	ADJ.	2112	19 11 10 10 46	11 4 4 13	20 m & vi o	6 25 15	10 24 14 16	10 7 9 11 18	15 12 11 42 21	15 12 46 7
HIGH-	DATE	52 60 61 58 59	5 1 2 2 2 2 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3	54 50 56	50 50 50 50 50 50	60 59 60 60	57 57 59 59	59 61 60 61 56	61 60 61 61 58	59 58 60 61
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	BI M	16.00	1777 20	1 1 1	7 9 9 8 6	F0456	6 1	41120	2 7 4 9 0	W 4 8 0 10
	SIRE	109141 128830 124484 111221 1235756	122 598 598 598 668 668	124246 119932 121656 107003	117937 107003 107003 107778 124484	130613 124539 131202 117937 119271	133064 122588 107003 107778 107003	1265694 1138441 1138441 1179372 1090340	124484 132456 126569 126569 111335	119271. 1035164 1319008 1261146 124484
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	COW	3692878 5115306 5544338 4672473 4880174	5058664 3391435 4147675 4147676 5653502	4683641 4439702 5055043 4274988	5099453 4265477 4265479 5157497 5203777	5036374 4693655 4923335 5224272 5120876	5357940 4680374 4519129 5112884 3482138	5054939 5352715 5209009 5591109 4251644	5405041 5166028 5215466 5524533 4830836	5026293 5111059 5183056 5488856 5223917
HOLSTEIN	HERD CODE	42380070 42399011 42399025 42399025 42449007	42480009 42480009 42480009 42539094 42530027	42570027 42640037 42640037 42670003	42829068 42899003 42930007 42939007 42960086	42960110 42960125 42999014 43029015 43060020	43169012 43169017 43169023 43220001 43290003	43339007 43330020 43339037 43339039 43350019	43430032 43430032 43719009 43750075 43850005	43890008 43950002 45510038 46010012 46609006

NDEX	61 77 57 51 99	126 74 51 49 75	29 102 21 75 127	80 63 54 63		58 51 57 76		34 65 81 88
COW IT	2172 2212 1948 1990 1815	2189 2393 2241 2407 2082	1828 3161 1755 2371 3081	1827 2099 1774 1929 2057	16 26 27	1884 1744 1854 1978 1779	91 71 71 98 98 98 81	1730 1737 2317 2089 1817
CAR			œ				m œ	
OF COW	610 689 694 697 670	854 735 733 747 789	624 885 586 681 923	737 673 747 612 687	828 869 685 685 733 731 884	612 806 585 583 628	28212	583 753 613 684 550
RODUCTION OF	# # # # # # # # # # # # # # # # # # #	3.3	3.6	4 % % % % % % % % % % % % % % % % % % %		www www w4w w60		8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
4	18180 18380 19300 20180 17073	18937 22430 23030 24320 21400	19815 24190 18132 18960 23540	18595 20500 18475 18247 19280	906 133 944 171 254 254 179	17700 23390 16483 20420 16975	755 878 757 966 869 039 053	17630 21910 17180 17845 15960
VERAGE		(f) == == ==	40000	0=0*4	4 W m W m	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	22 96414	22322
DAYS	305 305 305 299	303 296 305 305 305	305 305 304 305 305	298 305 302 305 305	00000 00	284 293 293 305 305 305	06 000	290 305 300 305 305
ATE AV. FAT	393 393 348 378 459	533 498 528 563 490	556 539 539 555	534 476 536 454 539	8 2 8 2 8 2 B	379 601 440 422 526	70078	481 510 449 449 382
HERDMA	10798 10798 9687 10361 12745	13889 14997 14066 14899 13072	15513 15028 14196 12577 14655	14128 13118 14194 13064 14441	391 331 550 604 493 414	10164 16413 11790 14012 12014 13516	299 339 281 281 402 417 457	12889 14487 11313 11789 10694
ADJ.	21 21 12 22 20	36 21 11 39	21 6 12 3 49	60 26 15 56	ww 44 ww	6 7 6 7 6 6 7 1 1 4 1 4 1 4 1 4 1 1 4 1 1 1 1 1 1 1	17 17 12 12 8 20 18	9 13 11
BIRTH DATE MO DA YR	10 13 61 9 12 61 8 15 61 7 23 61 12 23 49	8 25 57 3 3 61 5 14 61 2 15 61 10 14 60	9 20 57 10 2 58 11 2 56 1 2 58 8 22 60	8 8 60 1 16 61 11 22 59 5 21 59 9 17 57	14 5 8 5 22 5 9 6 18 5	460 066	11 9 5 10 5 13 6 14 6 17 6	3 1 60 5 18 61 3 14 57 12 15 59 8 1 59
SIRE	1244845 1244845 1136905 1136905 1014754	1179372 1085978 1366114 1347065 1359626	1292927 1279158 1254910 1179372	1179372 1179372 1179372 1013415 1234506	1234506 1234506 1234506 1234506 1234506 1234506	1358094 1234506 1243697 1244845 1077788 1175471	1244845 1302559 1014754 1130632 1243697 1179372 1179372	1154946 1214152 1157416 1157416 1329476
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COW	5443247 5443246 5400442 5400441 3169217	4671977 5378645 5370029 5327724 5298213	4532897 4763345 4299717 4769650 5180562	5180561 5245770 5026201 4913629 4497279	4238032 4601837 4497277 4601835 5207886 4997218	5046085 4997216 4786024 5370420 4690219 5290650	5232903 4954020 3580417 5090851 4356521 5167317 5167319	5377450 5372931 4406294 5013240 4934515
HERD CODE	46709010 46709010 46709010 46709010 47280002	47289075 47280089 47569010 47610002 47619011	47619011 47740003 47809012 47930022 48080003	48080003 48080003 48080003 48139051 48140020	48140020 48140020 48140020 48140020 48140020 48140020	48140029 48140030 48140045 48149051 48169022 48209015	48209019 48200030 48229064 48250004 48440006 48440030	48449133 48459055 48689009 48689009

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	COW INDE	729 930 467 564 343	355 044 1110 931 718	009 933 300 838 946	344 915 829 097	145 086 725 947 734	853 809 901 804 790	378 882 870 225 099	839 776 573 936 500	714 953 675 780 814
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	OF CO	640 559 711 766 842	747 675 805 637 695	734 677 742 650 716	797 542 723 603 617	720 803 620 677 792	823 797 862 767 644	598 669 689 793	749 641 581 545 622	703 652 648 524 664
		30 mm	00000 047 047	6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	88888 9000 48		3 2 3 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3	400000	3.4 3.4 3.4 3.4	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
	PRODUCTION MILK %	18620 16623 20835 21307 22650	21100 19757 21930 19595 18255	20155 17960 19700 18770 20890	22260 18260 19500 17730 18740	19740 24460 19005 20680 22380	20910 21175 20480 19980 17610	17467 18495 18208 19880 19850	19760 17480 17075 14980 16853	19290 18785 18247 14730 19030
SIRES	ERAGE NO.	1 4 4 6 0	mmm22	22261	1 5 1 2 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5	4-2	22===	60000	42212	22611
DHIA SI	AVE	223 305 305 305 305	272 305 305 305 305	305 289 267 292 305	305 305 305 305 296	305 305 305 305	305 305 305 305 305	305 305 305 305	305 305 305 305	305 305 305 215 301
PROGENY OF	TE AV.	469 437 542 514 544	519 515 517 507 482	521 549 521 512 531	502 452 540 393 529	516 554 487 483 561	584 634 467 440 449	593 593 593 597 597	620 501 408 413 450	562 478 434 413 454
	HERDMATI	13454 11737 14967 14707 15843	15122 14583 14056 13997	13822 13173 13041 14116 14641	14018 12167 15258 10725 14812	14165 14737 13623 12891 15444	15539 15932 12878 12062 12442	12192 14337 14871 14514 14928	15754 13130 10716 10865 11651	13950 12601 12170 10616 11776
HIGH-RANKING	ADJ.	7 16 9 11 12	12 8 17 12 14	8 9 111 7 19	17 17 15 15 15	10 5 7	5 19 22 27	111 35 39 32 40	43 34 20 26 18	118 118 22 6
HIGH-	DATE	61 58 56 58	59 59	51 59 57 58 60	09009	57 61 59 60	59 59 61 58	55 56 56 56	56 61 58 58 57	60 60 57 61 57
	IRTH MO DA	7 4 9 17 12 25 8 28 2 18	7 25 11 27 10 24 10 15 9 3	9 22 6 5 10 27 10 24 8 20	12 13 9 10 11 17 8 23 11 17	9 9 7 3 6 22 11 20 5 6	10 4 12 27 6 16 4 24 11 28	3 12 1 16 6 14 3 2 8 29	2 3 1 31 11 26 11 26 11 26 8 18	5 16 4 3 8 25 6 9
	SIRE B NUMBER	1244845 1250557 1226862 1226862 1226862	1226862 1243697 1247314 1321749 1289574	1014754 1077788 1226862 1289574 1244845	1244845 1244845 1244845 1244845 1244845	1271810 1216957 1189870 1362327 1286036	1286036 1286036 1295523 1189870 1122127	1122127 975138 975138 975138 975138	975138 1085978 1112211 1112211 1092741	1189870 1189870 1092741 1350190 1269558
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	COW	5516772 4897270 4764668 5127626 4653171	5107055 4786023 4852060 4955313 5032725	3428211 4958365 4591743 4799687 5205514	5401016 5218235 5254303 5161426 5292635	4580282 5363397 4970753 5265370 5347038	5051787 4851271 5039355 5377683 4853693	4590003 4234123 4030626 4234127 4331729	4234125 5277028 4961848 4961849 4841206	5125148 5145426 4526372 5422373 4477234
HOLSTEIN	HERD CODE	48779006 48770034 48790007 48790007	48790007 48790009 48790009 48790009	48790009 48790013 48799014 48799014	48800031 48820026 48869026 48860031 48939010	48950010 50100020 50100067 50100095 50100096	50100096 50100096 50200014 50309058 51019018	51019018 51010026 51010026 51010026 51010026	51010026 51020026 51020041 51020041 51020099	51030028 51030030 51040037 51040108 51040139

	INDEX K FAT	50 132 73 74 80	64 48 64 113 67	58 74 76 65 69	85 43 128 57 37	39 118 78 57 69	93 94 94 49	71 66 116 59 66	32 65 77 71 51 62	81 63 46 65 116
	COW II	1773 2757 1995 1711 2404	2372 2236 1821 3337 1767	1961 2132 3001 1894 1980	2588 1791 3089 1943 1817	2068 2407 1827 1857 1964	1896 2866 1927 2000 1943	2216 1789 2156 1715 1947	1739 1861 2318 1794 1963	1941 2162 1948 2035 3756
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	DF COW FAT (	482 837 526 690 720	624 518 688 958 713	617 748 772 578 725	815 564 985 676 548	620 550 706 667 569	662 693 723 545 518	554 647 810 789 615	665 748 735 662 699	748 676 665 708 671
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	ADJ.	16 42 10 18 22	8 28 8 18 17	17 42 42 6	23 21 16 7	7 6 4 7 2 7	40 32 30 38 20	12 7 12 14	15 27 11 69 50	14 35 22 10 8
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	неко соре	51040168 51040181 51040240 51050131 51050131	51060016 51070014 51079017 51079019 51079035	51079040 51079049 51070086 51070145 51079164	51070164 51070180 51079236 51080041 51080041	51080066 51080085 51090011 51099122 51100010	51100019 51100099 51100099 51100099	51100121 51100121 51119073 51119073 51110083	51119115 51110117 51119122 51130013 51130013	51130013 51139043 51139043 51130045 51149027
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	CON II	1861 2847 2483 1787 2650	1744 2047 1755 1962 1718	1958 1822 2635 1869 1926	2004 1997 1938 1760	1808 2051 1880 2064 1841	1942 2150 1971 2242 1711	1737 2213 2114 1791 1889	1895 2177 1833 2418 1925	2024 1869 1960 1730 1991
	CAR	2		-						
	OF COW FAT (	667 698 731 727 718	552 683 564 563 587	553 643 764 643	785 609 476 526 526	694 607 646 571 752	570 672 611 644 661	618 643 684 575 609	641 657 580 653 637	658 588 638 601 620
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	PRODUCTION MILK %	18814 21917 19824 19160 19948	15100 20300 17790 16930 17510	21650 18930 23470 18840 18405	19970 18335 15010 16910 14710	21860 19870 18080 18763 19630	16680 19895 17595 18620 19060	19190 18140 19160 17045 17310	17340 19300 16250 19455 19060	19940 15855 16760 17160 18290
RES	RAGE NO.	86 - 24	11222	7777	3-1-5	нчник	12221			12211
DHIA SIRES	AVE	301 300 303 142 305	305 305 305 305 287	303 305 305 305 302	305 305 305 305 294	305 305 305 305 298	290 305 305 303 301	305 305 305 298 305	305 305 302 305 305	293 305 305 305 305
PROGENY OF	TE AV. FAT	557 535 553 504 522	405 490 488 461 515	508 560 553 558 556	592 511 322 452 448	578 458 484 509	447 500 495 498 530	530 421 440 468 438	438 459 445 537	548 458 478 498
VG PROG	HERDMA	15450 15230 14823 13580	11157 13543 13809 12412 13928	13820 15436 14927 14127 14546	15477 14227 9950 12739 11867	17450 14247 13310 14865 16408	12763 15248 13577 13648 15134	15134 11705 13221 13660 12496	12496 13045 12720 13865 14067	14450 12196 12781 13140 12964
ANKI	ADJ.	20 20 12	17 15 17 25 25	22 22 32 30	111 100 466 122	13 15 15 16	16 17 46 10	10 32 16 15 25	25 33 31 10 8	55 55 55
HIGH-RANKING	BIRTH DATE MO DA YR	9 12 52 8 13 52 10 24 52 11 8 59 6 3 57	7 10 61 1 13 61 8 17 60 7 15 59 12 21 59	10 10 58 10 24 59 12 28 60 1 1 61 6 15 60	11 20 55 2 10 60 5 3 59 7 29 60 6 14 59	1 22 61 7 8 60 2 16 61 3 24 59 5 22 59	1 26 60 2 22 60 1 17 60 8 21 59 6 13 60	7 4 60 12 12 59 2 17 61 11 14 59 9 27 60	2 22 60 6 10 61 4 29 60 5 20 60 1 3 60	9 13 60 12 25 59 12 27 59 12 6 60 8 5 60
	SIRE	1122127 1122127 1122127 1190632 1122127	1350190 1244845 1244845 1122127 975138	010252157 1189679 1189679 1189679 1189679	1223904 1189679 1189679 1189679 1189679	1189679 1189679 1189679 1189679 1189679	1189679 1189679 1189679 1189679	1189679 1189679 1189679 1189679 1189679	1139679 1189679 1189679 1189679 1189679	1189679 1189679 1189679 1189679 1189679
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HOLSTEIN	HERD CODE	51150042 51150042 51150042 51150094 51160094	51170030 51170058 51170058 51170085 51179094	51170108 52040003 52040011 52040011 52040011	52040011 52040012 52070002 52070013 52070026	52070055 52070061 52090023 52090092 52090092	52090092 52090092 52100002 52110007	52110007 52120005 52120012 52150001 52150001	52150001 52150001 52150001 52150003 52150003	52190010 52210001 52210001 52210001 52210001

	NDEX	27 51 66 44 57	64 64 65 75	67 77 63 76	74 62 68 58 27	36 51 71 72	47 60 61 50 75	56 49 73 70	66 70 45 30 86	43 63 63 64
	CON II	1788 2011 2046 1927 1817	2121 1956 1763 2373 2099	1760 1776 2106 1794 1721	1766 2002 2395 1769 2607	1819 1869 1739 1729 1736	1736 1874 1738 1839 2394	2306 1714 1879 2306 2328	1975 1830 1873 1715 2311	1974 1764 1897 1790 1751
	CAR		m		5					
	COW	588 654 688 580 685	756 637 616 684 738	677 739 760 753	748 673 689 716 630	620 641 814 615	629 691 611 562 664	590 654 652 767 616	640 612 540 592 787	703 679 601 608 583
	ION OF	33.47	04044 04044	88848 8888 8888 8888	4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	000000 00000	88888 8 8	80899 80894	99999 9-4-9-2
	RODUCTION MILK %	7847 8797 8590 7237 8450	1220 8465 7785 9865 1740	7340 8900 1310 8505 8690	8060 9290 9960 8890 1937	8910 7930 1310 5473 0100	7673 8960 6170 6335 8600	7690 8880 9180 1170 8290	7360 6827 6223 8595 0597	1780 1000 8010 6490 7365
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5	E AV. FAT	482 572 543 519 542	549 551 551 544 595	529 544 587 575	520 532 490 568 621	580 524 559 466 475	558 533 499 474 510	492 548 521 544 439	4449 434 435 457 599	628 650 462 475 516
	HERDMATE MILK F	12702 15060 14307 13755 13993	15066 14499 14499 14432 15876	13996 14405 15410 15110 14716	13859 14205 12617 14674 16395	15426 13217 14354 12413 13158	14771 14218 13260 12781 13703	13060 14941 14415 14270 12397	12115 11795 11817 12895 15952	16542 16812 13153 13108 14121
	ADJ.	29 19 31 29 35	13 27 27 24 23	37 23 35 29	36 42 13 14	25 7 25 19 3	10 11 16 11 10	17 20 19 8 23	46 111 222 38 10	14 11 12 18 18
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	COW	4782619 4902537 5105803 4902538 5288470	4552903 4966536 4966538 4928305 5235513	5373446 4835849 4959365 4990645 5205166	5184586 5049359 5038705 5038704 4839926	4890698 4896513 5365601 4475092 4908967	5118983 5355435 5181751 4844103 4856452	5181752 5425101 5242848 5256465 4469237	5277761 4819494 4346134 4916516 4728512	5400744 4942451 5145599 4987337 4890715
	HERD CODE	52210001 52230024 52230024 52230024 52230024	52230028 52230029 52230029 52230029	52230029 52230029 52230032 52230032 52230033	52230035 52230035 52230039 52230042	52230042 52230051 52230054 52230063 52240002	52280007 52280007 52280013 52280013 52280013	52280020 52280020 52280020 52280025 52290012	52290060 52290060 52290060 52290060 52320006	52320006 52320016 52320018 52320018 52320018

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	CAR		w W	ω	2			-	
	OF COW	620 626 634 615	658 739 632 541 634	641 562 486 480 541	762 531 588 881 789	709 672 735 741 745	529 635 634 764 523 595	543 625 720 611 773 627 694 708	612 519 571 605 532
	NOI 1	<i>wwww w w w w w w w w </i>	888888 41-988	3.7	3.6 3.6 5.6	4.52		######################################	
	PRODUCTION MILK %	16235 17395 18123 16075 18253	19110 20160 17735 16423 19340	17385 15645 14800 15470 17185	20715 15110 16955 18943 22020	19085 18023 21280 23060 17850	858 844 782 051 658 658	15765 18020 18640 17320 17875 19730 18060	773 518 828 829 829 557
SIRES	NO.	2222		22-1-2	22262	48844	12226 10	N-1-6 - 1006-	3555
DHIA SI	AVER DAYS NO	305 304 299 304 305	305 290 246 280 304	305 292 305 305 305	188 301 303 305 305	299 305 305 305	000000		00000
NY OF	E AV.	481 467 458 556	522 524 543 523	520 411 350 347 395	590 437 437 551 599	575 546 533 525 490	48972 11	451 523 558 578 516 518 532 456	5 2 2 2 2
IG PROGENY	HERDMAT	12840 13167 12071 12175 14900	13764 13705 14105 12221 14189	13833 11475 9786 9853 11271	15599 11914 11914 14377 15363	15005 14159 14001 14304 12801	97 52 52 54 54 51 51 7	12624 13386 14646 13724 13724 13886 13902 14386	333 206 206 280 272 186
RANKIN	ADJ.	12 12 13 18	10 17 20 20 45	45 14 27 20 32	21 95 95 22 21	19 25 16 5	25 27 25 28 27 25 27 25 27 27 27 27 27 27 27 27 27 27 27 27 27	20 20 33 11 11 10	
HIGH-RANKING	BIRTH DATE MO DA YR	11 10 59 8 13 60 9 7 58 9 16 59 2 14 59	12 1 60 1 16 60 4 19 60 9 29 58 8 8 61	4 13 59 3 10 59 8 13 59 8 28 59 11 29 59	6 25 60 5 2 60 9 18 59 1 30 58 11 30 59	9 26 54 6 22 58 8 18 58 12 14 58 10 9 60	20 2 15 5 13 5 13 5 19 6	10 12 54 10 12 54 8 11 55 11 25 59 5 11 59 8 12 59 3 16 59	23 6 2 2 3 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
	SIRE E NUMBER	1189679 1189679 1066477 1189679 1189679	1244845 1189679 1189679 1189679	1189679 1162188 1189679 1189679	1330918 1189679 1189679 1277337 1290349	1112211 1112211 1066477 1249424 1189679	1066477 1189679 1189679 1112211 1350190	1189679 1189679 1189679 1189679 1189679 1189679	1189679 1189679 1189679 1189679 1092741
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HOLSTEIN	HERD CODE	52320021 52320021 52320021 52320030 52320035	52320035 52320038 52320038 52320050 52330001	52330001 52370025 52370038 52370038 52400005	52420005 52436013 52436013 52530067 52530091	52530091 52530091 52530122 52530126 52530128	52540002 52540002 52540002 52540002 52560013	5260007 5260007 5260007 52600010 52606014 52606014 52606014	52610003 52610003 52610003 52610003 52610003

DHIA SIRES

HIGH-RANKING PROCENY OF

33 23 FAT 86 72 72 54 COM INDEX MILK 2488 1954 2135 1746 2760 294 2453 1861 1812 2085 1845 2175 1758 2103 2439 1887 2195 1765 1853 2446 2438 2154 1978 1930 1739 2180 2703 1843 2111 2097 1939 1852 1780 1911 1733 FAT CAR ~ - 6 MOO 584 513 641 599 701 683 679 812 549 743 596 512 655 723 645 516 562 600 703 535 623 600 559 685 685 758 650 766 568 578 679 582 580 595 PRODUCTION OF MILK % F 33.8 3.2.8 33.0 18485 18030 18380 22315 16700 23620 19347 18177 19050 19200 20060 17915 18635 19650 21650 19785 15780 18170 20140 19705 22508 23153 18800 18565 19260 18880 22490 15880 21580 19860 15570 18045 17720 17700 AVERAGE DAYS NO. 8 2 H 8 8 ~~~~ 8---2 -----22--183 305 305 305 305 305 266 305 305 305 305 305 305 305 305 305 305 291 305 281 305 305 305 305 305 305 305 305 303 305 305 305 305 463 510 502 413 573 478 490 AV. FAT 486 539 550 638 452 534 498 489 527 531 569 469 386 353 557 565 393 464 545 447 429 454 405 401 519 472 476 534 HERDMATE MILK F 12568 14448 14299 11968 13081 12848 13241 16128 13117 14768 14265 14340 13899 14341 14616 14118 0974 1823 14138 14521 15193 14873 13605 2312 3138 1473 1664 2773 5035 ADJ. 29 38 30 18 12 4 23 11 31 12 32 17 20 16 43 43 111 28 27 24 15 32 15 12 41 40 40 BIRTH DATE MO DA YR 56 59 60 60 59 60 59 60 60 60 60 60 59 59 50 60 60 60 58 59 50 56 56 27 18 18 25 122 123 133 25 13 13 6 10 30 7 111 27 20 7 12 26 9 8 19 15 25 1 29 4 4 12 8 10 18 9 8 11 10 10 7 -9681 4 2 8 8 ~ 9 1 1 1 6 86 ~ 00 6 7 7 0 0 SIRE NUMBER 1189679 1189679 1189679 1178679 1077788 1189679 1162188 1189679 1189679 1189679 1244845 1244845 1189679 1189679 1189679 1189679 1189679 1189679 1189679 1112211 1189679 1189679 1322226 1322226 1189679 11112211 1065220 1189679 1189679 4 -• ~ < 4 4 4 4 < < < < < ~ ~ ~ ~ ~ < < COW 5380889 4902356 5246909 5008216 3599694 5202715 4713599 4219811 5203244 5263009 5163468 5102639 4988748 5134122 5134123 4987353 5262239 5388753 5250820 4943508 4301360 4846417 5348903 5325295 5013622 3901841 4944672 5253417 5253419 4970653 4879778 5223827 4357601 52800019 52800019 52800019 52810010 52820004 52820004 52820010 52820010 52820010 52820010 52820017 52820017 52820061 52820070 52820094 52730004 52780001 52800011 52830001 52830001 52830001 52830019 52880005 52950011 52980003 52670008 52680011 52710007 HERD COD

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	COW I	1957 2698 1908 1878 2135	1750 1919 1845 2015 1830	2233 2244 1806 2005 1899	1722 2113 1764 1887 1749	2097 1796 1846 2134 2245	1910 2391 1855 2083 2243	2239 1913 2086 1781 2082	1948 1916 2205 2099 2246	2098 2038 1843 2001 1955
	CAR		<b>©</b>						7	
	OF COW	624 593 519 628 722	545 720 604 672 525	676 674 587 671 822	717 629 435 541 603	610 717 594 664 604	663 653 534 636 672	674 767 809 650 596	571 500 756 602 656	679 689 668 728 771
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	PRODUCTION MILK %	17870 18220 18970 16525 21480	16591 20430 18085 18488 14220	20180 20770 17337 18370 21120	20420 18173 14380 16475 16950	18280 16293 18545 19605	17750 19820 17020 19385 20250	20345 19005 22630 19260 17280	17045 13843 21510 18735 19900	19640 20010 17450 19780 19367
SIRES	ERAGE NO.	26121	<b>~</b> ₩ 4 4 ₩	9 H R H 4	mm-2-	-6000	12222	24112	12142	нннню
DHIA SI	AVE	305 305 305	302 305 301 305 297	305 305 305 305	301 297 305 305 305	305 305 305 305	305 303 289 296 305	305 305 305 305	305 305 305 305	305 305 305 294 305
NY OF	E AV.	507 431 351 446 459	450 472 504 498 385	536 437 443 440 591	590 463 337 406 408	390 444 509 507 495	445 477 493 476	561 525 475 444 472	457 378 495 473 458	493 414 483 438 554
4G PROGENY	HERDMAT	13901 12251 11340 12302 13298	12181 12756 13709 13648 10354	14199 11794 12379 12973 15905	15658 12823 8932 11958 11996	11415 11746 14171 14218 14459	11572 13796 12593 14445 13630	14855 14504 13356 12137 12651	12885 9989 13853 13740 13298	13782 11860 12866 11776 14700
GH-RANK ING	ADJ.	36 8 28 24	13 22 17 18 27	10 24 20 20 44	54 10 45 40	48 33 32 15	25 39 24 37 41	29 21 32 9	17 31 18 8 25	21 37 83 21 29
H16H-	STRTH DATE MG DA YR	12 15 59 10 9 55 10 2 59 11 1 58 1 15 55	4 19 54 3 3 60 7 11 57 10 18 57 6 6 56	9 23 55 8 14 58 1 1 58 6 8 61 1 1 58	2 4 59 10 2 57 7 22 59 4 6 60 9 27 60	10 10 60 10 4 58 8 20 58 9 4 59 8 10 59	10 2 58 8 7 59 5 13 60 9 12 59 8 30 59	3 3 60 2 15 58 10 23 60 9 21 59 10 12 59	9 2 59 5 24 56 9 20 59 10 22 59 7 24 59	8 30 60 8 26 59 7 2 61 11 11 60 9 12 59
	SIRE B NUMBER	1189679 1070036 1326940 1122127 1111030	1066477 1288610 1241276 1241276 11111030	1207770 1243314 1102436 1189679 1137421	1288125 1253109 1162188 1162188 1192713	1199324 1242185 1162188 1162188 1192713	1162188 1192713 1138441 1192713 1113350	1192713 1285951 1322069 1341603 1112211	1112211 1138441 1162188 1192713 1189679	1189679 1265908 1189679 1293072 1175471
	A	<b>44 44</b>	**	**	<b>4</b> 444	4 444	***	<b>4 4 4</b>	***	< < <
	COW	5076444 4320984 5021063 4913687 3980218	3914781 5069351 4417936 4478997 4313416	4091407 4730531 4615800 5420644 4501601	5059104 4634079 4939748 5110866 5186301	5261382 4888103 4760869 4985104 5284729	4868368 4942842 5116425 4930732	5055421 4546733 5252254 5507852 5137248	5137244 4402338 4822404 4970888 4896869	5162649 5062417 5391454 5350541 5025833
HOLSTEIN	HERD CODE	52980018 52996002 54020004 54060012 54100002	54130024 54130024 54190029 54190029 54279045	54319024 54320014 54350042 55030001 55110006	55110006 55160003 55180041 55220034 55230009	55240007 55280026 55290009 55290009 55290010	55350017 55380011 55400009 55400010 55400010	55400021 55400021 55400028 55400044 55410010	55410010 55430004 55590011 55590011	55610006 55610009 55630001 55630001 55670005

NDEX	78 80 84 81 59	35 69 85 52	81 67 103 97	73 62 46 58 75	41 111 54 50 47	4 5 7 8 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9	9 4 4 4 4 6 7 6	69 77 77 54	58 44 78 61
COW II	2071 1821 2014 1772 1814	2154 2107 1979 2297 2011	1999 1713 1713 1977	2269 1942 1872 1774 2045	2244 3314 1860 2033 1855	1754 1818 1777 1841 1725	2150 1964 1885 2300 2429	2032 1740 2158 1803 2438	1908 1773 1887 2642 2012
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OF COW FAT (	89 76 79 79 79	664 521 574 697 504	66 73 80 83 82	747	0460	72 65 78 61 60	53 58 78 75	604 646 614 637 651	524 581 684 703 567
TION	0.4 1.4 1.4 1.4	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	4 6 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	ωωωωω ων		4 4 8 8 4 1 1	wwwww 040ww	447.47	0 6 8 4 9
PRODUCTION MILK %	24460 19260 18255 19340 16500	20570 19365 15780 18060 15363	16225 20950 19868 21840 22580	16690 20130 16190 17293 24520	19747 22307 16993 18570 20310	21220 17990 20520 18440 17320	17990 19930 17070 19785 22840	17800 19050 16485 18605 23860	17510 17345 18100 20915 15805
AVERAGE 'S NO.	-0000	41221	2-42-	40041	m m m N H		1221	12221	12122
DAYS	305 301 163 305 305	305 290 305 302 305	299 305 305 305	301 295 305 305 305	305 305 302 305 292	305 305 305 305	305 305 305 157 305	305 305 305 299 305	305 305 305 305
re AV. FAT	650 580 504 562 448	469 448 421 417 424	465 546 559 547	413 581 388 467 534	490 466 458 478 500	505 506 491 445	448 418 428 452 447	401 572 404 526 437	406 468 505 521 401
HERDMATE AV. MILK FAT	16620 15242 13289 15226 12239	13172 14074 11207 10363 11820	11581 16174 15171 15011 14123	12427 15418 10421 13244 14435	13612 13916 12283 13538 14229	13755 13511 13412 12629 12039	11699 12132 12537 13127 13125	11924 15317 10904 14383 14110	11804 13495 12111 14006 10849
ADJ.	14 40 25 13 29	12 24 14 42	44888	67 25 18 11 18	14 14 26 34	117 34 119 65	15 100 1113 82 100	78 26 26 31 62	30 46 11
BIRTH DATE MO DA YR	9 11 60 8 13 60 3 15 59 3 9 59 12 15 58	5 11 61 11 19 60 7 26 59 9 10 61 9 8 54	6 11 60 8 26 60 7 28 57 2 23 58 12 14 60	8 3 57 8 31 59 9 11 57 1 14 58 12 3 58	10 14 58 8 22 55 10 23 58 11 6 58 12 9 59	11 24 56 8 13 58 4 4 61 10 11 60 10 1 60	7 2 58 6 19 61 7 11 60 9 9 60 8 30 60	3 2 59 10 17 59 9 5 58 8 11 59 8 25 60	7 23 61 8 8 60 10 7 59 1 1 60 5 14 59
SIRE	1175471 1192713 1162188 1162188 1162188	1162188 1162188 1192713 1192713	1192713 1192713 1137421 1137421 1352953	1189679 1162188 1013415 1113350 1196645	1013415 1152060 1223705 1162188 1077788	1013415 1113350 1351847 1221761 1138441	1113350 1113350 1138441 1226862 1341319	1113350 1192713 1077788 1162188	1282185 1192713 1300014 1192713 1162188
<b>4</b> H	~~~~	<b>4444</b>	***	4444	<b>4 4 4</b>	<b>44 44</b>	<b>4444</b>	<b>444</b>	<<<<<
CON	5251698 5147098 4913292 4913291 4776208	5602130 5299651 5028871 5737147 4220290	5310910 5151289 4425964 4555763 5245390	4481500 5051540 4492911 4603277 4936606	4682637 4095098 4879552 4813181 5028000	4302528 4636618 5369160 5307851 5267401	4708638 5361904 5144959 5173451 5152262	4837007 4959434 4696838 4938468 5165376	5369763 5193882 5204514 5102223 4903654
HERD CODE	55670016 55670038 55680005 55680005	55700006 55730002 55780004 55790040 55820001	55890016 55910005 55910010 55910010 55910010	55910019 55910041 56040002 56040008 56040008	56040014 56040023 56090018 56270012 56270012	56300027 56300037 56370008 56380008 56410025	56420008 56430025 56430025 56430025 56430025	56430026 57040503 57100501 57160008 57250014	57250015 57410009 57530504 57550001 57550001

	NDEX	55 80 79 17	50 56 66 73	75 69 37 41	56 81 70 74 100	62 109 49 65 68	59 59 59 59	80 112 89 116 71	59 74 51 95 44	45 71 69 95
	COW I	2445 2174 2159 1753 2059	1793 1766 2001 1926 2005	2000 2300 1760 1822 1878	1988 2131 2173 1934 2886	2302 3350 1950 1950 1730	2098 1790 1981 2010 1784	1932 2715 2161 2479 1916	1967 2679 1849 2352 1711	1832 1871 1874 2295 2147
	CAR		v v		3 2				3 8	
	OF COW	565 540 588 546 710	618 666 746 589 743	730 664 642 484 532	648 792 722 662 661	702 596 741 525 616	593 591 681 572 595	706 751 664 690 673	643 730 670 610 587	601 568 699 740 634
	NOIL	3.0 3.0 3.0	3.7.5	3.7 3.0 3.0 0.0	3.6	88888 84247	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	7.00 9.00 9.00 9.00	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	WWWWW 
	PRODUCTION MILK &	17995 14890 16075 17990 18175	17517 18070 19980 17770 20315	19690 19640 17070 15650 17470	19635 21370 20855 18577 17993	21530 17343 222900 15370 16587	17848 18900 20090 16550 17640	19330 19205 17150 17280 17350	18370 20175 19103 17675 17390	18275 16860 17990 21730 16667
RES	ERAGE NO.	22212	6444		4m0m4	-4-66	40161	m4m2m	#12413#	3115
DHIA SIRES	AVE	305 305 305 305	300 305 305 305	305 305 305 305	305 305 305 305	305 305 305 305	305 305 305 305 305	305 305 305 299 294	301 300 301 305 52	294 292 305 305 301
PROGENY OF	TE AV.	419 350 403 462 493	516 484 497 433 578	501 443 379 409	506 470 573 480 411	454 368 347 369 434	439 485 446 417 457	387 461 307 334 444	489 472 550 430 419	480 468 476 463 470
	HERDMAT	11513 9631 10869 12571 12929	13679 12419 13346 11931 15648	13481 11931 12060 9912 11448	14597 12848 16067 13257 10811	12322 9909 15103 11100 12330	12462 13823 12204 11446 12510	10774 12499 8508 9218 11373	13397 12869 14810 12130 11026	13101 12379 12895 12550 12368
ANKI	ADJ.	103 110 97 10 22	15 18 162 201 67	102 201 148 18 43	13 23 6 6	27 6 21 25 39	34 40 4 60 4	113 113 52 6	31 40 15 21 14	19 64 11 10
HIGH-RANKING	BIRTH DATE MO DA YR	7 28 59 12 20 58 9 13 59 1 22 61 9 4 60	8 22 59 7 19 61 10 20 60 7 14 61 12 10 59	12 26 60 1 2 61 12 28 60 11 19 59 10 19 59	9 29 57 4 13 61 12 27 56 11 18 59 9 24 57	5 27 60 12 30 56 8 6 60 11 9 57 7 29 57	11 19 56 9 23 56 9 8 60 9 6 55 11 2 60	8 7 56 10 3 56 10 17 58 9 14 59 5 23 61	8 16 58 5 8 60 7 23 55 10 30 56 9 10 60	9 10 59 6 25 60 8 21 60 9 5 58 12 13 57
	SIRE	1162188 1192713 1192713 1138441 1148087	1148087 1148087 1162188 1192713	1192713 1192713 1192713 1162188 1162188	1237270 1305495 1090340 1136723 1218293	1207747 1061172 1218293 1289586 1218293	1136723 1218293 1113350 1218293 1192713	1136723 1218293 1251678 1136723 1199324	1218293 1138441 1218293 1070036 1293401	1113350 1138441 1112211 1275017 1070036
	A	**	<b>4444</b>	< < < < <	<b>4 4 4 4</b>	44 4	4444	<< <<	~~~~	<<< <
	COW	4969991 4778118 4969997 5337261 5282750	5008092 5442968 5617143 5617187 5073105	5617176 5617180 5617178 5098924 5098923	4576701 5373214 4410603 5067978 4661012	5499887 4335737 5162700 4541937 4443528	4306403 4275705 5219470 4359140 5057966	4310046 4290418 5405231 4989643 5361929	4806051 5118500 4113830 4278347 5500971	4944775 5170648 5229574 4864504 4592384
HOLSTEIN	HERD CODE	57590001 57590001 57590001 58010045 58039029	58039029 58039029 58050004 58050004 58050004	58050004 58050004 58050004 58110002 58110002	61020014 61020032 61020032 61026044 61060013	61080044 61080056 61090016 61150021 61180022	61180022 61200002 61210004 61240039 61250018	61280003 61280011 61280040 61280040 61310030	61360005 61360005 61360013 63010013	63120017 63130007 63220006 63320013 63370011

NDEX	42	19	58 106	6.8	6.8	81	95	110	57	58	55	86	89	7.1	54		53	<del>*</del>	99	100	701	64	t	70	0 10	U 4	23	ċ	1,6	19	107	117	99	41	69	55	69	61	107	2 (4	9
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OF CON	640	505	649	588	949	688	630	893	614	622	611	195	752	762	603	713	289	600	571	007	650	599	į	4 60	607	667	466	0	808	818	815	164	475	611	482	643	625	625	721	194	
TION %	2.9			1			4.1				3.4					3.1				•		3.6			•	3.40				3.4						3.6		3.4			0
PRODUCTION MILK %	22325	551	941	17160	18420	20500	15495	24875	775	764	17987	162	943	188	863	23140	620	† †	602	007	טטע מאמ	16543		13640	0 7 0	19370	607		777	23790	144	823	489	882	568	18000	736	18220	083	541	30
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DAYS	305	297	305	305	305	305	305	305	305	297	305	305	305	305	305	305	305	202	305	305	202	280	6	305	200	305	305	000	30.5	305	216	305	286	305	300	305	299	305	305	305	
TE AV.	542	370	480 438	423	454	366	461	574	509	513	521	565	245	480	446	510	250	006	421	000	V K	472		540	010	506	354	767	57B	580	505	504	406	495	341	500	463	491	430	1/6	
HERDMATE MILK F	15622	047	371 269	242	. 7	02	12120	55	406	441	14495	581	501	28	301	14963	200	707	11682	ם ה	- 4	31		σ α	100	13814	985	0	37	15468	81	300	61	439	89 2	12853	29	13063	224	77	7
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BIRTH DATE MG DA YR	10 26 58 8 9 59	2 6	27 5	9 4	1 6	5 6	3 12 57	2 6	9 5	1 5	8 8 59	14 5	21 6	11 6	31 6	10 2 60	15 5	D	8 30 59	1 1 1 1	2 62 0	1 5	6	0 01	1 26 5	9 14 60	30 6	0	0 0 0	6 10 60	23 5	23 5	7 5	19 6	200	1 12 60	0 10 5	10 26 58	2 7 2	0 41	
SIRE	1162188	11122111	1013415	1182696	1183303	1287549	1070036	1284868	11122111	11122111	11122111	1112211	11122111	1340236	1317048	1253403	1170373	7164111	11122111	102007	1077788	1112211	000000000000000000000000000000000000000	1177111	1177111	1321517	1138441	1121206	1113350	1113350	1249430	1221761	1070036	1035164	11122111	11122111	11122111	1112211	1070036	1112211	1 1 2 2 2 4 4 4
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COR	4805842	5299156	4678502	5516004	5357299	5249585	4400413	5371504	4650325	4928878	4928876	4780015	1406014	5465388	5047308	5181253	4893043	00000000	5142478	7660014	5157608	5116496		114041C	7.00000 7.005057	5384470	5551220	2770016	4837758	5110520	44 16664	4507227	4547381	5221149	4950907 5100228	5128215	4824567	4815309	4489879	5295680	
HERD CODE	64120104	65170006	71190003		217000	73020002	73069001	73099004		73169012	73169012	5901	316901	73169012	73189010	73189010	73609019	61060061	74040107		74100109	74110110	20100172	74120103	74120111	74160136	74240150		74250108	74250108	74250124		74310110	74310114	74330101	74350125	74350125	74350125	74360004	74740003	

	FAT	69 33 50 50	54 74 61 56	90 62 37 62 70	95 78 78 35	53 68 75 77	30 44 43 43 43 43	39 59 50 57	8 6 7 6 8 8 5 7 6 8 8 5 7 8 8 8 5 7 8 8 8 8 7 8 8 8 7 8 8 8 8	51 74 74 95 95
	COW I	2023 2471 2217 2099 1835	2194 1860 2237 1880 1793	1888 1784 1868 2475 1776	3092 1932 2309 1881 1754	1804 1768 2403 2064 3192	1714 1797 1812 1952 2248	1876 1771 1723 2187 1872	2062 2037 1807 1755 2291	1759 1831 1771 1755 2277
	CAR			m 44	m m					
	OF COW	804 608 576 724 668	728 698 793 707 744	779 719 594 676 754	690 641 766 506 614	554 648 756 585 700	606 626 647 577 708	826 612 649 828 712	635 642 678 732 732	575 684 668 651 738
	RODUCTION 41LK %	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	2000 2000 2000 2000 2000	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	WWWWWW WWWWW WWWWW		######################################	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	# 12 4 12 4 12 4 12 4 12 4 12 4 12 4 12
	PRODUC MILK	23700 19245 19395 19637 20120	22290 19180 21760 19200 21400	19953 20820 19505 19705 19150	21206 17400 20980 15380 17620	17083 18120 19640 20580 21075	18240 18105 19470 17650 19630	22360 18350 19850 28190 21008	17780 20290 21770 21095 24570	16990 19570 18640 19980 20800
IRES	ERAGE NO.	40460	22112	8 = 8 8 8	13152	m ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	12162	шпшшф	12121	22
DHIA SIRE	AVI	305 305 305 305 305	300 295 305 305	305 49 292 305 298	286 163 305 305 305	305 305 305 305	305 305 305 305 303	305 305 305 305	305 305 305 305	900 900 900 900 900
PROGENY OF	TE AV. FAT	521 432 526 533 522	572 553 553 592	550 538 487 496 551	480 476 464 398 524	438 544 544 489	508 466 453 469 496	519 559 472 636 584	410 493 578 600 592	477 461 441 468 503
	HERDMA	15603 12453 14705 14322 14801	15930 15025 14850 14073 16245	15172 15136 14091 12532 14001	13824 12795 12916 11306 14002	12442 13450 14460 14974 13175	14818 12895 13649 12707 13114	14858 15162 14350 19274 16095	10876 13827 15245 16881 16228	13498 12435 12290 12959 14339
HIGH-RANKING	ADJ.	16 26 16 8 8	4 4 6 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	30 15 2	469691	~ 9 N B 9	19 4 15 10	32 53 112 118	12 4 19 22	119 113 110 110
H16H-	BIRTH DATE MO DA YR	10 19 60 10 9 56 11 16 55 11 4 58 1 2 60	7 11 59 8 1 60 11 6 60 7 8 61 5 16 59	9 29 59 3 2 59 8 13 58 9 11 59 1 23 60	8 2 53 4 23 61 7 25 61 7 10 56 1 15 60	6 11 52 3 26 58 10 18 59 1 7 56 3 20 60	9 9 60 7 1 58 4 18 60 7 2 56 9 8 57	6 22 61 12 21 58 9 24 61 3 30 60 9 9 57	7 2 59 11 5 59 8 22 60 7 9 60 4 5 60	11 1 58 10 4 59 9 17 60 7 18 60 9 2 59
	SIRE	1113350 1233390 1090981 1298266 1308415	1308415 1192713 1112211 1112211 1049402	1331442 1223243 1250846 1290565 1290565	1123249 1244845 1244845 1223243 1195312	1123249 1175471 1195312 1119514 1195312	1195312 1294703 1223243 1221226 1221226	1336832 1112211 1179372 1113350 1216957	1221761 1190632 1175471 1179372 1179372	1112211 1113350 1175471 1266592 1175471
	<b>V</b> H	444	4444	⋖	~ < < < <	44444	<b>«</b> «	4444	~ < < < <	<b>444</b> 4
	COW	5368555 4291036 4189430 4937383 5074551	5039284 5215418 5248613 5440223 4978079	5007902 5142135 4764875 5388858 5474131	3799324 5398806 5416108 4726873 5035212	3860391 4642305 5375634 4148211 5071232	5256000 4741890 5104620 4379188 4456745	5408706 4878645 5515254 5104985 4469523	4948249 5272971 5159883 5135239 5110307	4914734 5107366 5242816 5361347 4971300
HOLSTEIN	HERD CODE	74749047 74749047 81160187 82110218 82125122	82125122 82125138 82130115 82130115 82135116	82135116 82145153 82329125 82355137 82355137	82360176 82365261 82365261 82410031 82510146	82520137 82520173 82520192 82580123 83109148	83109148 83100192 83159100 84030002 84030002	84030227 84030227 84030362 84066007 84060012	84060128 84069206 84069209 84080004 84080004	84110004 84110004 84110013 84119034 84210008

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COW IN	2018 2120 2014 1937 1864	2175 1770 1854 2049 2581	1781 3811 2741 1861 2798	1992 2721 2731 2219 1806	1854 3011 2957 1832 2463	2054 2809 2678 2193 2889	1810 1790 2180 1873 1936	2789 1781 1809 1712 1838	2125 2064 1794 2184 2849
AR		4			2 3 3 5		æ	۳	m
COW FAT C	662 612 524 660 586	712 579 679 598 561	716 955 673 638 742	632 657 714 608 618	681 675 709 590 637	675 6660 579 677	576 750 662 581 544	668 741 696 621 766	586 737 519 581 661
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RODUCTION MILK %	00000	00000	02100	20~00	0400 6		2020		
۵	1720 1750 1867 1845 1811	2164 1860 1760 1787 1739	2010 2506 1871 1700 2001	1891 2234 2047 1804 1680	1918 1962 2019 1706 1875	1935 2009 1991 1791 2042	1731 1963 1944 1871 1871	2134 2105 1897 2017 2221	1863 2031 1541 1682 2009
VERAGE NO.	77177	12245	46795	C 4	10454	78252	V-14-64	1155	77777
DAYS	305 305 305 305 305	305 305 298 301 292	305 305 305 305	305 305 305 305	305 267 304 302 281	305 305 305 305 305	301 305 305 305 290	299 305 305 305	305 305 305 254 299
E AV.	521 510 450 524 524	539 471 453 453 411	534 547 500 518 493	510 495 513 502 490	494 491 508 517 551	571 529 498 547 528	503 529 497 502 502	476 556 525 614 513	482 493 421 414 514
HERDMATE MILK F	12795 12736 12875 14266 14175	14917 13470 12232 12729 11604	14983 15412 13628 14128 13589	14140 14028 13836 13506	13391 13840 14310 14338 14228	14277 14263 13789 14255 13569	13942 14160 14971 14785 15010	13986 15892 14156 16756 14857	13213 13746 11600 111114 13379
ADJ.	14 16 26 51 55	60 115 112 87 26	39 24 10 10 6	53 41 40 40	00 4 4 4 4	N044m	10 115 115 113	12 18 4 6	74 74 74 74 74 74 74
BIRTH DATE MO DA YR	2 21 60 2 21 60 8 17 60 2 28 60 7 31 60	1 25 57 8 3 58 5 13 58 11 5 57 10 17 55	7 17 61 6 9 58 9 12 54 9 11 55 1 29 51	6 18 60 3 21 60 1 4 57 7 17 56 5 6 57	9 16 61 8 21 55 9 5 56 12 16 54 1 12 56	6 2 55 8 5 55 11 15 55 9 2 55 9 6 56	8 14 57 2 12 61 8 13 57 9 29 58 5 17 57	10 8 58 7 6 59 11 1 57 8 10 60 11 4 60	8 14 60 3 28 60 1 11 60 8 26 60 5 31 60
SIRE B NUMBER	1112211 1112211 1112211 1035164 1035164	1215448 1249430 1249430 1013415 1199945	1192713 1117035 1195312 1195312 1049179	1195312 1195312 1223243 1223243 1223243	1244845 1195312 1195312 1195312 1195312	1195312 1195312 1195312 1195312 1195312	1297420 1244845 1297420 1297420	1297420 1292874 1175471 1195312 1294703	1195312 1223970 1195312 1195312 1195312
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COW	5297978 5122077 5159806 5112967 5168560	4404614 4820408 4762056 4644235 4252801	5387075 4616595 4114301 4307849 3357667	5311328 5075447 4539553 4342655 4539555	5562022 4307846 4309263 4114304 4307853	4307844 4307845 4307848 4309264	4832948 5305031 4684485 4836431 4633873	4836433 5098878 4467485 5606463 5280135	5226493 5226484 5042839 5234719 5144113
HERD CODE	84309001 84309001 85019001 85019002 85019002	85019002 85019005 85019005 86019018 86020007	86029008 86020027 87020455 87020944 87030111	87030223 87030223 87030223 87030223 87030223	87030223 87030679 87030679 87030679	87030679 87030679 87030679 87030679	87030706 87030794 87030848 87030848	87030848 87060056 87060822 87150980 87180927	87200455 87200455 87209839 87209839

	FAT	83 74 44 95	48 45 45 69	346 338 46 47 47 47 47 47 47 47 47 47 47 47 47 47	448 465 33 31	35 46 46 78	48 61 107 61 98	1116 57 49 62 62	97 47 55 77	83 48 87 77 77
	COW I	2542 1987 2249 1759 1851	1868 2170 1899 1790 2597	1759 1754 1739 2428 1805	1860 1719 2105 1829 1865	1936 1758 1787 2061 2164	2130 1747 1920 1770 2630	2305 1815 1928 1800 1993	2133 2201 2074 1892 1787	2165 1757 1730 1816 1736
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	OF COM	631 668 633 654 706	675 648 709 703 631	589 635 628 548 494	637 622 633 604 663	585 542 549 549 684	677 750 679 639 808	869 513 607 645 703	785 811 981 780 686	723 613 751 714 607
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	PRODUCTION MILK %	19033 20390 17950 16945 17065	18230 19445 21410 18600 18298	17487 17857 19060 21240 15173	18620 18403 19843 19150 20370	21050 15870 15982 16800 18510	20728 20980 16127 17110 21855	21680 14600 17785 17070 22550	19930 19965 23970 20980 19010	19073 17763 20630 21807 22615
SIRES	ERAGE NO.	6474	2115	m m n n n	<i>ოოო</i>	14562	5-6-2	13515	64-100	ппипи
DHIA S	AVE	305 305 270 305 290	305 305 296 282 300	302 305 305 305	305 305 305 305	305 290 256 304 295	305 305 305 305	305 231 305 301 305	305 305 305 305	298 293 305 294 305
ENY OF	TE AV. FAT	444 567 540 535 506	517 518 558 563 486	499 567 472 458 415	541 533 514 453 585	455 456 459 458 468	569 516 431 430 524	534 324 496 479 551	566 554 546 545 512	520 516 550 623 547
NG PROGENY	HEROMA MILK	12964 15642 14009 13985 13006	14333 14540 15396 14811 13590	13867 14251 12988 12451 11411	14693 14904 14558 11548	13529 12462 12635 12263 13006	15952 14085 11873 11608 14231	15000 8876 13114 12706 15933	14529 14327 13729 14391 14661	14220 14148 16095 17236 17583
GH-RANKING	ADJ.	116 78 6 8 115	34 25 21 2 4	20 20 20 20 20 20 20 20 20 20 20 20 20 2	10 10 8 19	34	35 49 38 8	10 112 117	8 114 119 114 38	6 29 18 34
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	SIRE	1223243 1195312 1195312 1195312 1175471	1236789 1070036 1244845 1195312 1195312	1090981 1090981 1072332 1090981 1090981	1090981 1090981 1277619 1079115 1290309	1277619 1090981 1090981 1090981 1090981	926151 1049402 1235822 1090981 1222848	1222848 1090981 1090981 1277619 1090981	1238438 1261140 1136905 1136905 1235822	1090981 1090981 1175471 1049402 1273196
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HULSTEIN	HERD CODE	87230381 87250076 87250827 87250896 87250938	87260722 87260722 87260755 87290915	91000252 91030320 91030384 91060056 91060266	91100014 91100033 91100033 91100048 91110001	91110007 91110007 91110007 91110007	91120019 91120052 91120077 91200014 91260002	91260002 91340003 91340006 91340006	91380032 91380032 91380032 91380032	91420013 91420013 91425016 91420025 91545002

INDEX K FAT	71 77 82 86 86	51 96 43 67 69	5 5 6 6 0 1 1 8 8	28 51 21 65 31	46 36 36 38 38	25 50 80 80 80 80	68 98 47 47 66 65	59310	58 66 109 47 47
COW	2296 2666 2202 3220 2275	2316 2315 1729 2051 1983	2118 1717 1719 1719 1826	2068 2024 1903 1907 1920	1975 1816 1765 1786 1786	1853 1753 1852 1916 2202	2277 2317 1815 1880 1839	2102 1747 2559 1884 1752	1904 2143 2401 1845 2091
K CAR		4	m m	W 4		m	m		4
OF CO FAT	743 756 822 790 746	677 727 628 664 631	632 669 705 575 594	639 601 565 704 582	936 618 573 599 621	677 728 607 686 778	672 817 594 681 634	705 614 655 722 722 581	621 610 950 950 610
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VERAGE NO.	12122	34146	421112	-4m04	7777		m4m0/0	H480H	18122
DAYS	305 305 305 305	304 305 305 305	305 305 305 226 226 291	303 303 303 305 305	305 305 305 305	305 305 305 298 305	305 280 305 305 305	305 305 305 305	305 301 305 305 305
TE AV.	537 532 493 542 523	559 501 507 518 470	489 499 499 489 510	543 501 550 536 536	547 489 476 488 546	499 576 496 532 561	501 554 473 477 503	502 568 517 561 451	426 459 500 506 557
HERDMATE	18061 17982 16914 18522 18379	15325 14885 14695 15621 14149	14169 14544 14544 14142 14142 14651	15652 13361 13121 14703 13669	15666 13558 13252 13832 15333	14076 14772 13758 14211 15605	13575 14836 13991 14567 14155	14610 16027 16409 14943 12612	11721 12322 13917 13730 14170
ADJ.	28 29 12 25 47	17 36 21 16	34 34 29 26	0 10 4 4 8	28 28 44 10	41 12 19 6	111	14 40 35 17	30 1 10 10
BIRTH DATE MO DA YR	4 23 59 4 8 59 1 23 60 8 15 59 4 9 59	1 24 60 9 20 55 4 5 60 11 26 57 12 7 58	5 15 60 7 24 60 3 4 60 8 29 60 1 18 56	9 26 60 10 10 55 1 8 58 9 20 57 11 19 57	9 2 59 10 23 59 9 12 58 3 17 61 10 27 59	8 23 59 10 10 60 3 8 55 9 18 55 7 1 57	1 21 58 10 6 55 2 24 59 8 16 58 12 1 52	10 11 61 2 28 58 12 14 58 12 26 59 9 29 58	6 19 57 10 29 57 8 28 55 2 25 56 4 8 59
SIRE	1279753 1279753 1279753 1279753 1287248	1090981 1090981 1090981 1090981	1090981 1090981 1090981 1072332	1277619 1090981 1090981 1090981	1092490 1090981 1277619 1090981 1090981	1090981 1189593 1090981 1090981 12277779	1227777 1214152 1277619 1277619 1090981	1277619 1090981 1109640 1049402 1090981	1090981 1090981 1090981 1090981
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COW	5199119 5199118 5140605 5140599 5199126	5112155 4114811 5086102 4576690 4829826	5174207 5174212 5086101 5206241 4222106	5206245 4222903 4567954 4517173 4567953	5102334 5001756 4797213 5462947 5009456	4917833 5273547 4463738 4205954 4597119	4597120 4164403 5012996 4705541 3704911	5666271 4558091 4896771 4996280	4562315 4432041 4225764 4174016 4905733
HERD CODE	91545002 91545002 91545002 91545002 91545002	91545003 91545004 91545004 91545004 91545004	91545004 91545004 91545004 91545004	91545004 91545006 91545006 91545006 91545006	91540041 91545043 91545043 91540072 91580003	91580023 91580064 91580095 91580110	91580110 91580119 91585131 91580131	91585132 91625001 91625002 91625070 91640011	91640011 91660040 91680040 91720020 91740031

	INDEX	51 41 10 79 50		62 98 58 51	93 71 71 74 126	88 53 41 79 64	110 99 52 74 60	90 105 88 88 -6	55 55 54 58 73	43 74 50 63
	COW	1721 2009 1999 1828 2110	5 6 6 6 9 9 1 6 6 6 6 6 9 9 1 9 1 9 1 9 1	2481 2331 2568 2310	2645 1974 2346 2127 3394	2102 2142 1778 2193 1930	2351 2660 1917 1920 1744	1816 2782 2113 1757 2252	2956 1872 1760 2326 1833	1878 1855 2075 2028 1763
	WCAR	m	m	m m	4					
	OF COV	691 631 538 769 644	679 689 721 668 631		756 714 814 826 1029	889 590 573 674 644	988 728 652 657 645	840 948 620 840 590	737 712 708 739 781	683 693 771 725 826
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	PRODUCTION MILK %	19220 19890 20063 21047 22260	979 956 822 079 907	19010 20630 19678 19205	20740 19540 23570 22630 27530	22405 17975 17060 18670 17990	23295 20048 19990 18660 19025	21990 26740 17330 21140 25040	23322 20800 19903 22507 20423	20745 20353 21193 21640 21840
SIRES	ERAGE NO.	13351	3 3 4 1 N 1 P	5002	m 2 m m m	04000	75777		0-4mm	~~~~
DHIA S	DAYS	305 305 305 305	00000 9	274 305 305 301	305 305 305 305	305 305 305 305 304	305 305 305 305	305 305 304 305 305	305 305 305 305	305 305 305 297 305
ENY OF	TE AV. FAT	533 556 558 440	546 514 523 496 471	514 512 508 494	524 525 532 532 525	653 465 489 418 492	590 516 528 438 508	531 563 404 540 585	584 475 588 600 596	572 575 583 595 572
NG PROGENY	HERDMATI	13964 14932 15714 15551 13870	426 341 379 423 269 409	13828 14538 14265 13187	14435 14706 14185 14123 13953	16577 12936 12914 11653 12761	16572 14295 15355 12151 14449	15417 15361 11840 14859 14453	16137 13313 16270 16949 16328	15940 16192 16379 16739 15045
IGH-RANKING	ADJ.	111 8 8 10 11	20 48 29 15 8	N D 4 4	6 22 26 26 27	50 22 15	29 17 14 15	34	117 119 555 47 54	44 38 43 66 12
HIGH-	BIRTH DATE MO DA YR	9 10 60 1 30 59 8 22 58 2 18 58 10 18 60	14 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	6 13 56 3 30 59 11 14 55 4 19 58	12 1 58 12 3 59 9 28 60 8 29 60 8 27 60	1 31 59 10 21 55 9 29 57 8 6 59 7 16 58	11 20 58 5 23 55 10 20 56 3 2 61 3 27 60	1 28 59 2 4 60 6 21 58 1 29 58 11 28 58	8 21 53 10 1 60 7 9 55 1 15 58 1 28 58	9 7 58 7 30 58 9 22 58 5 4 58 3 22 61
	SIRE	1090981 1090981 1072332 1277619	1090981 1090981 1090981 1072332 1090981	1090981 1090981 1090981 1090981	1090981 1090981 1308796 1308796	1307195 1216541 1090981 1179373	1175471 1179372 1090981 1235822 1307195	1175471 1175471 1235822 1175471 1042917	1092490 1357743 1136564 1136564 1136564	1136564 1136564 1136564 1109640 1113350
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	CPW	5167020 4932083 4739385 4592226 5339176	4690303 5084429 5042514 4432339 4203498	4221034 4868410 4127073 4582338	4790542 5004619 5228644 5228643 5228643	4892790 4348320 4895427 5134522 4668075	4907811 4268733 4428977 5515715 5256533	4878926 5087320 4756984 4687511 4822319	3749714 5240759 4084658 4605510 4605514	4826239 4762067 4762076 4667736 5373425
HOLSTEIN	HERD CODE	91745047 91740058 91740058 91740058	91745123 91745123 91745123 91780014 91780059	91780063 91780063 91780063 91780063	91780063 91780063 92025024 92025024	92030123 92130062 92180048 92190028	92205100 92205100 92205100 92220021 92275032	92280010 92280010 92280022 93150046 93230009	93240099 93249204 93370014 93370014	93370014 93370014 93370014 93370014

	COM INDEX	1932 49 1838 57 2012 29 2000 72 2058 56	19 4661
	PRODUCTION OF COM MILK & FAT CAR	693 770 713 761 682	169
	CT 10N	4 0 m 0 4	3.4
	PRODU	20250 21135 22720 21280 20200	22530 3
IRES	AVERAGE P DAYS NO.	20-m-	_
DHIA 6	DAYS	304 305 305 305	305
NY OF	FAT	588 605 505 574 494	524
HIGH-RANKING PROGENY OF DHIA SIRES	HERDMATE AV.	15971 15807 13929 16250 13390	14554
RANKIN	ADJ.	67 77 54 73 58	a
H16H-	BIRTH DATE MO DA YR	9 22 56 4 3 59 5 26 61 10 5 57 2 20 61	11 10 60
	SIRE	1113350 1284716 1119514 1113350 1244845	7020201
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	PRODUCTION MILK %	12630	972	20		10920	7.00	147	467	702	458	11425	076	227	316	467	13616	450	076	13736	28	296	410	289	366	641	14430	365	300	13054	343	260	432	453	187	13925	*	14130	377 506	444	409
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PROGENY OF	FAT	494	394	407	101	384	270	506	521	0 %	240	471	450	466	3	2	531	77 -	À	597	0	0	6	592	290	603	560	407	603	602	609	109	0	00 +	<b>⊣</b> (	589	)	624	zo α	2	10
	HERDMATE MILK		68	96 75	)	7321	י ה	70	49	000	10311	0	8985	46	10422	002		ς,	130	11431	117	119	101	100	102	114	10566	125	108	11208	117	111	120	970	871	10833	)	11429	082	154	130
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	SIRE E NUMBER	571951 571951	497574	540061		577474	204321	557844	566264	520116	530116	546137	497574	546137	553245	557682	557682	289/66	240308	553236	497574	497574	497574	497574	497574	497574	497574	497574	497574	497574	497574	497574	497574	497574	410164	491514		497574	491514	497574	524199
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	COW	2292176	2253950	2332695	7	2403084	2262272	2141837	2214460	10001	13908	2361232	2001617	2406445	2171682	2256932	2131964	231162	6671612	2079901	2027725	2152825	2295089	2079915	2105810	2117179	2027718	2305395	06627	2159993	2105826	2079900	2132851	2305410	2066107	2152822		2214621	2315013	2339897	
JERSEY	HERD CODE	11129008	12130148	12130201		13030010	1202031	13049514	13060203	1300010	13099010	13090604	13110108	13129137	13149117	13140212	13140212	15140212	700001+1	14100002	14100002	14100002	14100002	14100002	14100002	14100002	14100002	14100002	14100002	14100002	14100002	14100002	14100002			14100002		14100002	14100002	14100002	14100002

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	CON IN	1715 1234 1252 1270 1802	1429 1197 1256 1551 1647	1361 1643 1392 1978	1506 2080 1730 1275 1230	1531 1382 1209 2037 1357	1893 1864 1531 1353 1275	1305 1341 1200 1299 1922	1503 1578 1431 1501 1301	1579 1341 1524 1396 1348
	COW FAT CAR	36 39 09 35	70 99 64 63 41	65 33 89	0 4 4 8 5 4 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8	756 692 704 654 609	903 567 628 640	70 47 53 76 27	23 33 30 30	13 3 08 67 23 53
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SIRES	VERAGI	4644	N 0 4 E N	4	22212	N W N N N	2222		- 22 - 1	6 H 6 D B
DHIA SIRE	DAYS	298 298 304 305	305 305 305 305	305 305 305 305	303 303 303 303	303 303 303 305	305 305 305 299 305	305 305 305 296 302	305 305 305 305	205 305 305 305
ENY OF	TE AV.	480 452 440 436 575	595 602 634 586	392 440 548 416 487	478 477 552 454	567 566 566 489 462	576 481 416 414 429	441 443 436 461 431	578 420 483 436 543	534 547 513 486 544
NG PROGENY	HERDMAI	8990 8302 8619 8094 9699	11246 10858 11683 11934 11536	7780 8751 9842 8240 9610	9284 9031 9052 10021 8622	10257 9517 10594 9016 8664	10280 9247 7958 8084 7998	8348 8539 8438 8672 8152	10314 8195 9315 8414 9908	9428 10469 10191 9307
HIGH-RANKING	ADJ.	119 112 6 23 8	40 31 40 40	9 4 30 17 17	23 21 16 21 21	16 16 5	44 183	31 14 40 19 132	51 21 23 15	118 118 119 118
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	SIRE	497574 546137 552844 546137 497574	497574 497574 497574 556063 563805	524199 567370 563805 546137 546137	546137 546137 546137 546137 552844	546137 552844 562571 546137	546137 546137 546137 574951 524199	580836 546137 553236 546137 563945	497574 571911 585348 585348 585348	497574 460788 460788 585348 497574
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AGE VO.	4-1-1-2	12212	11212	71917	21211	31838	8488	21451	817444
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SIRE NUMBER	497574 585367 563945 581332 585348	497574 585348 497574 571382 571382	571382 497574 571382 497574 571382	569330 524199 526919 580836 578382	526919 524199 524199 524199	524199 584458 567370 524199 526919	474007 526919 526919 474007 474007	526919 526919 537225 526919 584458	474007 526919 526919 584458
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NUN	2055030 2395810 2271602 2424138 2404546	1976326 2393726 2476663 2297164 2449396	2362744 2356699 2341583 2001626 2369937	2417837 2356114 2205323 2377884 2351687	2158336 2397443 2374035 2402857 2392059	2272230 2387043 2226844 2343603 2241541	2285747 2403082 2342748 2379396 2424528	2396763 2050872 1998253 2070348 2524728	1915889 2104128 2253134 2412201 2412197
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HIGH-RANKING PROGENY OF	HEROMAT	9348 8937 8140 8351 8452	8702 7671 7560 8547 8186	8804 8539 9209 9381 7281	8330 7891 8528 7555 8369	8924 8057 8022 8093 7344	8461 9015 10322 9490 8726	8885 6712 8382 8095 7879	9377 8221 8549 8675 8535	6201 8632 7635 9052 8476
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55106006	2391119	⋖ <	497574	9 4	17	09	16	9114	475	305		14810	8 0	709		2004	90
55106006	2391095	4	57	5	23	09	24	• •	428	305		10460		581		1279	82
55106006	2422190	V	9757	11	24	09	12	7248	370	305		10870		512		1583	7.1
55160001	2409267	A	23		54	09	31	~	297	305		8400		463		1209	6.8
55220004	2017361	4	490707	2	11		48	8254	409	300	4	112		539		1202	54
55350004	2314523		553245	10			84	9368	477	300	3	16493		784		2814	121
55350004	2217462		559928	5	14	53	131	8369	423	305	-	18910	5.5	1040	7	2635	154
55350032	1940788	K	438400				6	7784	377	297	2	690		486		1236	25
56240010	2403327		587581	10			52	6594	321	305	proof.	384		689		1812	95
56300012	2364912	<	57			59	13	8768	459	291	2	225		209		1753	80
56360023	2380278		33	12	14	59	101	10616	557	305	2	999		881		1747	112
56360028	2445792		14	Φ,		19	47	8435	427	305	<b>-</b>	404		721		1401	14
56360028	2445789	< <	497574	01	30	90	00 u	8453	446 550	305	<b></b>	11890	7 ° ° °	627		1546	7.0
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56360030	2396827	V	91	4		09	89	5996	527	305	2	425		628		1435	27
56370009	2288937		44	œ	15	58	S	6928	343	305	m	020		478		1411	53
56370009	2413105	V	497574	80	-	09	2	7271	365	298	2	10725	4.6	498		1744	16
56410036	2389436	V	57	3	28	09	16	8004	418	305	7	176		522		1835	77
56410036	2343189	∢	497574	6		59		7685	405	305	7	056		478		1580	29
56410036	2389438	•	497574	4	œ	09		60	419	5	2	082	- 4	4	m	1537	75
56420018	2299123		80	10		58		81	347	0	<u>س</u>	087		. 60	1	1601	94
57210501	1916959		525627	5	23	52	11	8382	436	302	7	10506	5.0	530		1266	51
57210501	1916963		52	6		52		54	450	0	9	198		_		1773	39
57210501	1916958		52	2	91	52		12	413	0	٣	034	•	2		1230	54
57210501	1987569		5	-	15	53	14	8067	419	305	2	064		533		1266	5
57210501	2042732		52			54	8	8448	450	305	4	120	•	564		1471	57
57210501	2306310	<	52	00		58	21	8106	442	305	2	057		526		1235	42
57210501	2102267		525627	2	25	52	14	8848	694	305	9	11032	5.1	564		1289	51
57210501	1987567		52	11	6	52	16	8520	144	301	4	075		489		1281	31
57210501	2315862	V	525627		9	58	24	7596	402	305	-	106		543		~	64
57310502	2398630	V	57		16	09	46	7914	447	305	-	028		619		ım	77
57310502	2346125		577359	10	23	59	33	1496	535	304	2	13205	5.1	671		1230	41
58050008	2377858	<	1.4		21	65	156	7603	371	281	-	169		554		2	57
58050023	2165832	A	52		10	26	19	6806	436	298	3	179		602		ന	72
61010002	2371572	٧	7	10				O.	307	305	-	7.2	4-6	401		٠,	19
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61060001	2302603	: <b>«</b>	525627	12	4	58	18	7632	389	305	, m	10047	4.5	455		1298	38
61060001	2302600	<	525627					22	372	305	m	985	4.8	414		~	20
61060002	2165078	4	52	_	10			16	399	247	9	30	4.0	417	n	2	22
61060002	2296167		37		2	58	23	8269	395	283	4	114		488		1221	40
61060004	2264829	<	52		11	57	25	9543	864	303	e	268		673		1541	75
61060004	2188276	<	52			99	13	10057	524	293	7	319		710	3	1428	72
61060004	2242464	V.	525627	11	_	21	32	8949	466	305	m	11337	5.3	298		1289	09
61060004	2242462	V	25		19	21	53	9104	473	302	4	229		634		1626	14

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COW IN	1420 1431 1439 1509	1287 1436 1779 1720 1348	1333 2175 1768 1235 1215	1457 1389 1378 1508	1528 1298 1251 1480 1638	1661 1486 1338 1952 1249	1536 1522 1279 1241 1233	1333 1212 1209 1564 1592	1303 1658 1308 1459 1548
WCAR	m		~	2					
OF COW FAT CAR	648 599 619 579 430	501 756 559 573 483	481 583 590 555	626 618 560 473 520	625 518 402 445 451	556 556 414 540 511	577 588 560 619 603	618 626 578 643 584	635 636 616 652 446
	4.4.6.7.7.7.7.1.7.1.7.1.7.1.7.1.7.1.7.1.7.1	4.9 4.9 4.9 4.8	444.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0		40440	4 4 5 5 5 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5	N N N 4 4	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
PRODUCTION MILK %	13810 12700 13707 11310 9603	10207 15200 11917 11673 9984	9800 12440 11977 11845 11588	12500 12463 11090 11120 10910	12230 10130 8985 9145 10040	11350 10290 9320 12005 9420	11760 11290 9965 13503 12490	12387 11900 11593 13153	12473 13870 13028 13823 10250
AVERAGE S NO.	N4888	m m m w	m4m2v	ппппп	-000-		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		m 2 1 2 m m
AVE	301 275 302 294 285	300 305 305 301 301	305 294 300 291 302	305 289 305 305 305	305 297 305 295 305	305 292 305 305 293	305 295 304 305 305	302 303 303 305	305 303 305 305
TE AV. FAT	461 453 491 408 364	392 493 401 414 399	394 396 428 478 447	492 465 450 408 401	464 416 355 332 306	371 359 336 419	462 434 526 454	529 524 503 527 525	532 538 507 541 330
HEROMATE AV. MILK FAT	8567 8664 9306 8266 7356	7825 9458 8065 7998 7646	7280 7739 8158 9374 8863	9503 8947 8474 7870	8882 8234 7266 6614 6150	7347 7147 6907 7911	9076 8855 8138 10361 8917	10508 10374 10144 10597 10416	10682 10773 10096 10927 6821
ADJ.	23 9 5 111	9 119 22 32	32 42 35 22	38 7 14 15	23 6 25 24	22 22 111 35	48 53 31 38	45 33 35 49	42 41 39 57
IRTH DATE 10 DA YR	9 4 60 9 28 58 0 30 58 3 11 58 2 3 56	8 23 57 8 6 60 0 23 56 4 12 58 9 21 57	1 8 57 8 17 58 9 27 58 0 4 59 4 10 56	1 20 61 0 3 55 0 28 60 0 5 60 7 27 61	1 2 60 8 12 60 9 21 59 8 10 60 0 22 60	0 19 60 8 15 60 0 8 60 7 24 59 5 11 61	2 15 59 6 18 59 9 8 60 7 16 56 8 28 60	4 9 58 4 7 58 2 21 55 9 23 59 3 18 60	2 2 58 8 30 59 4 26 57 3 13 59 8 1 60
E BI	885 229 1 227 1	27 56 27 1 27	27 1 27 2 27 1 50	09 38 09 1 74 1	74 1 74 09 74 1	74 1 74 1 74 1 09	09 09 74 28 65	60	09 1 09 55 27 09
SIR	5345 5746 5746 5256 5256	5256 5839 5256 5256 5256	5256 5256 5256 5256 5459	5498 5498 5498 4975	4975 4975 5498 4975 4975	4975 4975 4975 5498(	5498( 5498( 4975) 5599; 5642(	5498( 5498( 5498( 5498( 5498)	5498( 5498( 5639) 5256; 5498(
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CCW	2407678 2307681 2307685 2272566 2177189	2325531 2412951 2171676 2299202 2229063	2229066 2306543 2306585 2367819 2149866	2437332 2188097 2387115 2432845 2446696	2429320 2392598 2434622 2399014 2399023	2399022 2399016 2399021 2359979 2417639	2330321 2342415 2390475 2159502 2395767	2270503 2270502 2080120 2352086 2386000	2352082 2203994 2330329 2393742
HERD CODE	61060009 61060009 61060009 61060019 61080007	61090018 61090023 61190032 61240010 61280015	61280015 61280015 63070007 63070007	63070007 63080001 63110004 63130005 63130005	63130005 63130024 63190008 63220005	63220005 63220005 63220005 63230004 63230004	63230011 63230011 63230011 63230014 63230014	63320027 63320027 63320027 63320027 63320027	63320027 63320027 63320027 63320027 63340003

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INDEX K FAT	35 75 63 57	55 79 73 73	77 79 32 36	63 39 68 68	69 54	62 99 134 55	49449	116 82 52 52 78	W 0 W V 4 W W 0 O Q
COW I	1476 1848 1336 1313 1434	1401 1192 1673 2006 1423	1593 1652 1553 1410 1202	1289 1371 1222 1780 1241	1864 1197 1762 1354 1300	1410 1705 2448 1549 1243	1242 1232 1243 1243 1231	1276 1369 1298 1251 1378	1202 1440 1241 1257 1410
CAR	2			e		m			
OF COW	544 547 525 482 555	611 678 523 565 497	511 583 566 743 528	580 595 409 623 563	555 540 613 577 540	577 744 850 504 620	552 598 583 534 810	938 1020 517 560 610	563 589 594 555
	4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5.11	4.06	0.0444 0.0449	4 2 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	26.442	7.000.0	4 4 5 . 5 . 5 . 5 . 5 . 5 . 5 . 5 . 5 .
PRODUCTION MILK %	10330 12825 9665 9560 11007	12072 13230 11387 12330 10500	11010 12200 13467 14560 11213	10893 11270 9230 13407 12220	12893 10203 12887 11473 11273	11495 13400 16075 10558 14360	10610 11230 11987 11640 15210	14568 17110 10343 11557 10833	10860 10940 14220 11570
ERAGE NO.	62221	wamen	<b>≈</b> -≈-	4 11 4 11 11	mmm44	41241	48848	4-1464	40
AVE	242 302 305 289 305	305 305 305 305	301 282 303 305 305	305 305 250 305 305	305 305 305 305	254 305 305 295 305	305 305 305 295 305	305 305 305 301 305	296 274 305 305 300
E AV.	375 486 394 393 428	403 458 389 387	383 365 485 476 437	431 410 318 452 463	398 433 407 415 414	430 349 463 410 492	477 484 474 361 639	665 692 394 409 435	454 416 445 410 414
HERDMATE	7243 9081 7637 7612 7792	7516 8464 8476 8417 8344	8341 7443 9535 9656 8169	7859 7799 6355 8901 9078	8173 8234 8426 8287 8215	8178 6579 8979 7753	8618 9162 8840 6717	11566 11636 7290 8403 8012	8490 8024 9258 8186 7369
ADJ.	7 1 32 32 32 55 55 55 55 55 55 55 55 55 55 55 55 55	28 18 12 13	13 169 33 5 26	12 17 14 37 31	61 30 20 17 18	15 61 46 55 69	11 10 20 20 16	133	40400
DATE A YR	60 60 60 54	52 61 59 59 59	59 60 57 61 55	55 55 58 58 58	58 57 57 56	57 59 56 56	53 57 57 58 54	55 55 55 55	57 58 61 60 60
RTH (	30 31 18 10 12	29 15 9 2 18	18 27 12 29 10	22 22 9 26 12	26 29 12 25 12	27 22 24 3 9	23 28 28	11 5 1 31 12	88 4 20 1
BIR	10 7 8 8 8	111 0	∞ Q ~ ~ ~ U	10 10 1 1 8	8 10 8 10	86915	6 2 8 10 10	5 6 1 10	66148
SIRE	549809 549809 497574 497574 553149	570133 553149 497574 497574	497574 553236 564125 567370 539649	539649 539649 563805 574191 574191	574191 531074 564812 564812 564812	569785 559928 559928 531074 587884	531074 531.074 569785 573401 541.681	556063 556063 575063 540908 558463	558463 497574 588502 527917 583752
<b>∀</b> =	ररद	दरद	જિલ લ					क्र	< <
CO.	531 74 555 563 563	570 563 501 502	999 704 704	37 705 705 83 92 92	866 995 125 125 165	594 721 596 162 719	775 595 789 261 794	156 156 144 145 162	107 107 171 171
CESA	2433531 2350474 2394665 2394663 2069034	2166870 2499922 2370563 2368001 2368002	2367999 2423260 2216904 2428979 2125704	2121237 2125705 2274243 2308185 2308192	2308186 2272695 2217667 2192425 2169965	2208594 2333721 2231590 2159862 2517719	2075775 2229695 2213789 2304261 2026794	2188456 2188456 2196944 2151745 2113962	2298483 2282967 2471707 2365959 2420871
HERD CODE	63370011 63450002 64020115 64020115 64480110	64480111 64480120 64530101 64530101 64530101	64530101 65020022 65049051 71169001 72170001	72170001 72170001 73099005 74150162 74150162	74150162 74180110 74180133 74180133	74250130 74350109 74350109 74350109	74749030 74749030 74749030 74749034	74749045 74749045 82110124 82150198 82490119	82490165 85120007 85209001 87039905 87290171

HIGH-RANKING PROGENY OF DHIA SIRES

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IDEX FAT	51 98 76 78 54	35 34 39 26	45 121 43 42 78	42 71 36 32 83	79 84 36 47 153	96 78 37 63	30 44 61 58	43 75 72 50
COW INDEX	1198 2231 1644 1458 1227	1518 1487 1372 1451 1315	1310 2216 1240 1260 1206	1422 1528 1481 1217 1242	1691 1709 1220 1328 1818	1505 1611 1244 1491 1882	1289 1309 1471 1514 1349	1310 1420 2011 1468 1262
I OF COW FAT CAR	2012 <i>x</i>	<b>874</b> 67	60001 6	3 3 3 1 5 6 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	£850 = 4		4	ဝ် <i>က် က်</i> ဝစ်
OF C FA	705 675 761 740 569	628 527 544 549 532	606 835 582 519 771	606 706 586 491 697	933 778 602 700 981	631 701 661 641 694	612 653 725 587 589	560 845 765 690 739
TION	5.0	5.0 5.0 6.0 7.0 7.0	5.0 7.4 7.4 6.0	4 6 4 4 5 5 5 6 5 6 5 6 6 6 6 6 6 6 6 6	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	00044 14400	4444	4 5 4 5 4 5 6 5 6 5 6 5 6 5 6 6 6 6 6 6
PRODUCTION MILK %	14890 13600 14600 12420 11900	12410 12100 10922 12710 12657	12088 15320 12465 10883 12860	12635 13427 13885 10723 12280	17510 14575 12615 13340 15445	12313 13000 12246 14230 14230	12532 13415 15680 13433 11978	12497 14800 15727 13360 15410
ERAGE NO.	3112	202200	12221	2022	7777	n n n n n n	0 m - 10 m	6-9
AVERAGE DAYS NO.	305 305 305 305 305	303 305 305 305	295 305 287 305 305	305 302 305 305 279	305 305 305 305 305	305 286 305 305 287	305 302 305 305 305	305 305 304 305 305
AV. FAT	503 464 558 528 458	444 458 479 424	516 466 484 428 462	502 553 511 431 472	619 535 497 563 538	464 536 542 519 541	525 541 525 465	465 545 590 403 539
HERDMATE AV MILK FAT	10097 8442 9883 8573 8851	8482 8734 8501 9016 8813	9538 8417 8975 8198 8199	9044 9950 9554 8169 8756	10745 9620 9079 9492 10174	8504 9560 9661 9992 9972	9640 9956 9695 9526 9157	9449 9120 10569 7490 10363
ADJ.	15 31 38 16 35	32 24 10 9 10	23 2 1 1 8	13 23 13	16 6 5 4 10	98	52 75 6 28 16	28 114 112 111
BIRTH DATE MO DA YR	12 9 60 6 15 60 3 3 61 11 1 60 7 10 55	10 15 58 12 23 58 6 12 53 9 12 58 8 1 59	4 25 56 9 6 55 9 18 54 1 29 58 1 13 59	12 10 57 4 23 55 6 19 58 7 21 59 10 16 59	2 14 61 9 19 58 2 10 56 1 18 57 8 15 59	12 7 57 2 15 55 2 3 55 5 17 59 12 16 55	3 28 54 8 24 59 1 6 59 7 2 59 10 7 55	5 20 58 7 11 57 2 24 55 1 28 61 7 6 57
SIRE BI	580714 497574 553236 553236 535058	556095 556095 527917 556095 579125	556095 544287 544287 556095 544287	556095 544287 544287 556095 535058	574714 586421 560558 560558 5711735	576862 1 558330 558330 567410 502220	542059 558172 535058 535058 535158	558172 576862 521405 557569 557569
A I	તત્ત્	<b>44 44</b>	44444	বৰ্ধন্		<	1< <b>4</b> 4	<
CGW	2413305 2397343 2454739 2476306 21225520	2321441 2329655 2213623 2304753 2354617	2153267 2221059 2221981 2316514 2324517	2346101 2106680 2295153 2332183 2344223	2423716 2372457 2147632 2185741 2348277	2261590 2116253 2116252 2342974 2131420	2124395 2343669 2303495 2362300 2122634	2303620 2261586 2118782 2432052 2248213
HERD CODE	88019002 88020015 88159001 91100028	91200022 91380039 91380040 91540003	91540028 91540043 91580022 91580051	91620072 91645073 91720010 91745003	92030077 92030094 92060006 92060006	92085005 92110004 92110059 92160022 92200019	92200041 92200041 92200095 92270094	92270094 92280059 93120010 93400050

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COW	1639 2235 1950 1973 1884	2526 1732 1862 1767 3294 1660 1726 1678 2638	1994 1667 1725 1899 2468 1645 1993 2140 1818	1787 1774 2124 1829 2243 1762 1676 1612 1669 1868	1629 1618 2121 2761 1947 1593 1702 1611 1603 2696
CAR	9	~		۶ ع	m m
OF COW	670 609 593 659 706	851 700 647 539 739 641 577 593 701	668 756 793 682 682 690 664 811 749	795 681 769 771 719 764 680 568 633	776 635 744 804 613 687 801 699 639
Z O ₩	66444 6666 6666 6666 6666 6666 6666 66	44444 44444 6	w444w 4w44w 4w44w 2011w 4000r	4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4 w 4	44000 04000 00000 0000
PRODUCTI	17080 16130 13120 15550 15610	20190 18445 14970 13925 19553 18260 14485 16740 11880	17195 16075 18630 19270 20785 15580 16970 19395 17980	16360 17450 19093 18060 19090 19320 16730 15740 15140	16150 14940 19130 20550 16107 17705 18520 17890 17730
VERAGE NO.	N M H H	-2-26 -22-2	41551 5-155		351152
AV DAYS	303 305 305 67 805	305 276 292 285 305 305 305 289 305 2885	305 305 305 305 305 305 305 305	303 305 273 300 305 305 305 305 297	305 305 305 305 301 305 305 305 305
ATE AV. FAT	570 423 432 496 529	603 503 503 503 503 503 503 503 503 503 5	517 487 561 551 515 478 478 453	5009 5009 5009 5009 5009 6009 6009 6009	555 4453 455 455 455 455 455 455 455
HERDMA	13404 10471 9605 11931 12386	14116 13426 11844 9800 11363 11814 10731 12757 8064	12287 12295 13354 13151 14242 8634 12065 13985 10710	9211 11744 12419 12723 11744 13539 9458 11217 12533	12812 10250 12380 12142 111178 13089 10988 13372 12780
ADJ.	12 8 4 16 20	46 13 14 14 16 16	12 25 25 21 19 19 10	11 11 11 11 11 11 11 11 11 11 11 11 11	100 100 100 100 100 100 100 100 100 100
BIRTH DATE MO DA YR	7 3 55 8 3 52 12 29 60 2 3 61 11 1 60	8 7 60 3 25 60 4 15 61 10 25 56 6 18 56 1 5 60 3 4 59 7 25 58 7 15 56	10 29 58 4 26 58 7 24 58 10 17 60 5 26 58 11 5 60 3 29 58 2 2 58 3 17 59 7 12 56	7 12 58 9 20 57 3 23 52 9 9 60 1 4 61 111 22 57 111 19 60 8 14 60 10 15 56 9 17 60	9 21 60 11 17 58 11 6 60 3 7 61 8 27 52 3 5 59 11 27 56 5 11 61 11 26 59 11 26 59
SIRE	111590 107506 125640 125640 125640	125640 128271 125640 120448 120448 120448 120448 120448	120448 120448 120448 120448 120448 120448 120448 120448	114431 114959 99252 121816 121816 107915 114123 102954 116729	121816 125507 121816 118783 99106 128037 109955 102954 114123
< ₩	444	<b>a a a a a a a a a a</b>	बदयदद दव व	<b>a aa a</b> aaa	< << < <<
COW	311658 265474 419232 429300 416672	409561 408914 419296 399692 383070 401806 376824 376826 360885	377457 401888 371648 408688 371618 410909 370833 362360 384948	381222 356664 263334 412146 427984 367665 413961 410229 336041	411114 392138 413037 425770 271956 344568 419702 397643
HERD CODE	14119104 14140177 14199114 16029023 16069031	16069031 16060105 16140109 21100020 21210422 21220274 21240242 21250722 21250722 21250222 21260222	21309960 21310007 21310212 21310212 21310661 21479001 21520628 21530997 22290054 22360002	23090045 23090413 31060225 31060275 31080024 31199680 31239674 31399050 31570005	31680040 31850108 31870018 32300160 32330411 32500241 33360240 33360240

ROWN SWISS				I	IGH-RA	NKIN	HIGH-RANKING PROGENY	0.	DHIA SIRE	IRES						
ERD CODE	COW	< ⊢	SIRE	BIRTH D MO DA	DATE A	ADJ.	HEROMATE MILK F	E AV.	AV DAYS	AVERAGE	PRODUCTION MILK %		OF COW	CAR	COW II	Z
33409711 33440310 33480311 33559142	388619 428042 383383 412715 412718	4 <4	121213 102954 110327 114123	1 15 1 21 10 21 5 27 4 25	6 5 5 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5	12 13 11 24 24	10411 14395 13119 13411 13411	538 538 546 546	305 305 143 305 305	8-1222	15907 19090 19125 19385 20695	4.0 3.7 4.0	633 780 706 720 833	8	2171 1647 2072 1895 2266	
33559142 33559142 33559142 33559142	396587 416433 423307 431514 370546	< <	118619 118619 135487 135487 102954	11 3 11 27 2 27 6 7 11 10	60 61 61 58	18 22 18 26 13	15860 15669 15708 15598 11265	634 611 631 643 469	305 305 305 305 277		20900 19700 23690 23850 14143	6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	757 740 823 902 619	2	2307 2098 1996 2063 1594	
33700712 33869355 33860445 33860449	412473 372297 372232 346315 375746	44444	114123 102954 102954 116729	9 17 8 8 7 23 1 18 7 18	558 578 574	49 8 8	11081 10730 111179 10328 11060	463 433 491 429 477	305 305 305 305 305		18540 14193 15065 12697 15755	46444	790 537 681 530 665		1713 1736 1735 1645 1970	
33860910 33860910 33860910 33870340	426010 419421 427895 354052 417726	4444	102954 102954 102954 102954 126061	10 4 5 11 5 14 6 8 3 31	61 61 53 59	117 117 8	9705 9718 9718 11470 10924	481 427 425 468 434	305 305 305 303 298	<b>4</b> 2	18710 15670 14610 14995 16830	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	783 684 616 600 686		2197 1909 1688 1831 2038	
33870615 33920711 33950342 34580008	358860 403406 386156 363427 392919	<b>44 4</b>	102954 102954 121816 102954 124907	3 6 7 5 2 19 11 30 10 2	559	19	9494 10090 9769 11518 10141	399 410 410 456 445	305 305 305 301 305	60140	13547 14865 16210 15280 15775	4.1 4.3 4.2	552 615 699 516 664		1935 1993 2057 1917	
35159053 35159053 35159053 35250055 35250055	334514 357331 394582 346961 383986	< < < <	116729 116729 116729 116729 116729	12 7 1 9 3 5 3 15 10 15	557 57 58 58	113 114 111	12668 112945 11008 11255 12071	558 563 490 441 473	305 305 305 305	rc # 0/4 m	17036 18190 15855 13850 16547	4.0 4.0 9.8 9.8	688 720 663 528 572		2482 2626 2330 1761 1768	
35269193 35269193 35269193 35269203 35280032	397072 357372 410582 291672 357105	<	121816 121816 124652 110327 116729	10 6 1 30 8 21 7 28 2 7	59 50 57 57	100	11544 11528 12903 10876 10859	482 481 519 435 450	305 305 305 305	4-	21230 19720 20970 15470 14400	44460	882 873 933 596 577		2725 2418 2017 1952 1744	
35319004 35319004 35319004 35319004 35319022	331179 323608 349737 349742 344488	<<<<<	116729 116729 116729 116729	12 25 11 28 10 18 10 18 5 3	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	29 22 21 30	11445 11885 12030 11875 12180	480 500 499 494 493	299 301 305 305 284	ちゅもひい	13734 15920 14503 15850 15425	46 46 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	559 618 573 623 593		1671 2294 1716 2192 1857	
35340091 35340139 35370012 35549005	415865 415862 340078 309920 344484	<<< <	118783 117638 116729 109953 116729	2 6 7 11 11 26 2 9 4 24	61 55 55	12 12 10 16	11491 10750 9587 10913	445 445 389 464 457	305 305 305 305		15350 17175 12047 15280 19150	4.00 3.00 3.00 5.00 5.00	694 670 458 558 679		1710 1731 1676 1687 2611	

	NDEX	31 77 69 68 52	57 59 86 99	54 57 69 64	82 91 105 103 56	79 91 129 64 106	87 90 101 114 125	93 68 66 63 127	73 76 92 97	105 74 114 95
	COW IT	1714 2436 2079 2082 1013	1648 1739 1608 2738 1637	1977 1904 1962 1818 1763	2076 1950 2212 2425 1632	1902 2298 2682 1851 1592	2932 2517 2841 3171 3496	2446 1807 2030 1965 3568	2422 2431 2357 2412 2543	2590 2069 2551 2425
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	PRODUCTION MILK %	15953 17934 17230 13045	13860 12680 16290 21905 13953	13540 15813 16390 17330 18650	15590 13355 18840 15630 18072	15713 17900 19780 15355 15190	17437 16985 17970 17700 22950	16970 14337 15417 13683 18680	16235 16720 17590 18630 16192	16123 17460 18850 14150
IRES	VERAGE NO.	w w 4 4 w	3235	4 6 2 1 1	2010	m2-	90001	NWWWN	40==0	40000
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ENY OF	TE AV.	429 554 387 455	432 367 538 585 411	420 520 533 477	469 444 618 492 541	388 537 522 530 346	478 473 495 443 453	484 469 486 423 460	478 473 468 488 465	457 467 516 357
PROG	HERDMAT MILK	10581 13683 13776 9584 111221	10777 9162 12684 13969 9809	10362 12684 12790 10060 11600	11668 10556 14262 11209 13521	9686 12906 12930 12893 8822	12388 12252 12699 11456 12168	12479 12115 12537 10995 11988	12396 12280 12309 13086 12149	11827 12223 12634 8541 8541
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SROWN SWISS	HERD CODE	35599007 35610090 35610090 35710027	35720070 35720075 35739021 35739021	41230111 41280020 41280020 41529020 41850100	42019003 42019003 42040004 42080007 42149012	42140025 42429008 42420033 42420033	42460024 42460024 42460024 42460024	42460024 42460024 42460024 42460024	42460024 42460024 42460024 42460024	42460024 42460024 42500006 42620001 42620001

BROWN SWISS

NDEX	57 93 93 70	70 102 87 93 100	161 91 85 74 131	68 87 70 76 73	41 71 87 70	53 80 75 65	84 68 60 86	1118 57 94 125 101	58 1113 103 82 36
COM IN	1894 2416 2363 2587 1826	1969 2398 1898 2125 2274	4237 3050 2373 2131 3765	1775 2164 1915 1928 1944	1666 2363 2556 1644 1983	1593 2058 22200 1816 1867	1917 2566 1873 1669 1679	2317 1676 2409 3026 2674	1737 2600 2459 1951 1653
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CF COW	619 697 725 653 546	471 657 750 756 718	899 667 652 596 742	556 672 602 714 603	653 775 797 577 685	577 609 619 680 491	577 855 477 557	898 591 800 735 606	561 711 590 578 434
	3.7 6.0 7.6 7.0 4.0	64444 80464	3.5	4.0 3.9 4.1 3.9	88846 88846	4.0 4.1 4.0 4.0 3.8	4.5	4444	3.9 4.2 4.1 4.1
PRODUCTION MILK %	16820 17220 17960 17530 13495	12450 15530 17080 17410 16190	22863 19137 17800 16035 19973	14045 16350 15610 17520 15290	18020 20775 20815 15290 17450	14607 15010 16140 17050 12890	13965 18920 12080 14960 17430	19940 14765 18290 17550 15850	14390 16910 14357 14210 12200
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AVE	261 305 301 305 305	305 305 305 305 305	305 305 305 301	301 305 305 302 305	305 305 305 305 305	305 305 305 298 304	303 305 305 133 305	305 278 286 291 305	293 305 217 305 253
FAT	390 487 519 446 461	387 462 571 548 529	548 521 482 496 480	478 493 506 590 493	534 568 546 448 481	442 490 476 462 422	444 420 399 318 562	555 483 489 373 360	413 449 426 455 389
HERDMATE	9244 11656 12649 11138 111120	9586 11201 14019 13249 12287	13475 13249 12442 12618 11976	11845 12004 12467 14310 12004	13192 13926 13405 10525 11703	10575 11842 11619 11785 10374	11280 10009 9544 8285 13706	13224 11541 10846 9040 9037	9971 10507 10192 10691 9518
ADJ.	20000	25 11 6	11 6 12 9	41 9 8 8 9	16 13 13 9	12 12 14 14	33 20	3 2 6 2 2 8	10 10 10
BIRTH DATE MO DA YR	8 8 57 11 13 60 2 14 61 11 12 61 12 25 59	9 3 60 5 18 60 12 14 60 3 16 60 8 13 58	9 8 58 12 25 57 8 12 56 10 14 58 4 28 59	4 12 60 12 10 60 7 1 60 7 6 61 2 14 61	1 11 60 8 31 59 8 7 59 2 7 59 8 11 59	2 24 59 3 27 60 1 12 60 6 3 60 2 24 57	2 11 60 12 2 60 12 19 59 5 26 59 1 12 61	9 20 59 5 7 60 11 9 61 10 30 61 6 10 61	3 25 61 5 16 60 9 14 59 11 20 59 7 10 59
SIRE	122803 118619 118619 118619 118619	118619 118619 118619 118619 118619	118619 118619 118619 118619 118619	118619 118619 118619 118619 118619	131138 131138 131138 128335 128335	128335 118619 118619 130310 118619	118619 121816 118619 128897 118783	125472 117219 117219 118619	117219 125640 125640 125640 107999
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HERD CODE	42710036 42710037 42710037 42710037	42769025 42820071 42829084 42849058 42869011	42949004 42949004 42949004 42949004	42949004 42949004 42949004 42949004 42949004	42949004 42949004 42949004 42940029 42940029	42940029 42940029 42940029 42960081 42960133	42999036 45410016 45490002 46070034 46269039	47209009 47349013 47559003 47710020	47710024 50209101 50209101 50209101 51040140

HIGH-RANKING PROGENY OF DHIA SIRES

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N	NUMBER	C 144	~	MO DA YR	/R	NO.	MILK FAT	FAT	DAYS NO.	NO.	MILK	<del>50</del>	MILK & FAT CAR	CAR	MILK	MILK FAT
39	398982	V	107999	16	59	7	11596	494	305	2	15050	3.8	576		1806	54
38	380117	A	107999	12	58	11	9703	395	300	6	14220	3.4	486		2288	51
37	373422	K	107999	16	58	14	9860	423	305	7	13445	4.2	569		1845	65
39	394768	¥	107999		69	17	9724	416	284	7	13295	4.2	557	m	1841	63
39	394880	V	107999	18	59		12192	483	305	-	15830	4.1	655		1639	59
37	372059		121816		58	24	12355	530	305	1	20090	4.5	606		2323	119
31	319322		107999		54	5	11488	480	300	3	14903	3.9	587		1907	57
56400022 41	414423	V	121816		20	51	9996	373	305	-	15780	3.7	581		1989	84
	414417	A	121816	11 23 6	90	48	9551	368	288	_	13750	3.8	520	œ	1595	72
	414419	<	121816		09	51	9996	373	305	7	14300	3.8	550		1685	11
40	926205		120249		20	4	11553	477	305	7	19110	3.9	144		1889	19
56410012 40	407285	4	121816		90	5	13047	519	305	-	19610	3.8	752		2082	89
	425440	A	118783	9 23 6	19	4	1866	384	177	-	15570	3.7	581	n	2110	84
57560506 33	339143	V	102954		22	œ	12863	517	305	2	16164	4.2	6.77		1794	82
	335983		112689		99	-	10281	404	305	-	17830	4.0	705		1887	15
14	413195		126010	5 27	90	17	11560	454	305	2	18575	3.6	672		2420	86
42	429667		126010	6 17	51	6	10858	403	305	-	20380	3.6	729		2381	82
39	393581		126010	8 17	65	59	12361	460	305	2	17315	3.7	642		1709	63
84039224 44	440110		132966	12 7	90	12	10833	441	305		17520	3.8	673		1672	58
84370009 39	395302		125472	9 15	69	7	10632	445	302	7	15365	4.2	639		1633	89
91360004 30	307653		118783		55	6	10398	442	305	4	13093	4.2	551		1708	73
92055026 43	439311		135099	8 18	51	19	10067	410	305	-	16640	3.8	631		1643	55
35	352317		108940	4 24	57	80	9719	420	302	4	13628	4.2	575	4	1661	99
92250003 35	352316		108940	7 31	21	7	10583	450	300	4	14698	4.0	581		1749	26
38	386153		121816	2 9	69	13	14464	569	305	-	20340	3.8	767		1940	82

	DEX FAT	42	43	37	46	43	40	99	46	99	85	9	44	41	99	25	64
	COW INDEX	1582	1548	1367	1451	1496	1850	1803	1438	1474	2203	1534	1542	1558	1666	1420	1446
	CAR	2					4										
	OF COW FAT CAR	144	533	600	545	531	665	557	579	554	619	457	523	456	495	614	450
	TION	3.6	3.5	3.4	3.7	3.5	3.3	3.7	3.7	3.8	3.7	3.8	3.2	3.3	3.8	3.8	3 . 7
	PRODUCTION MILK	12520	15220	17860	14780	14960	15133	06051	15790	14700	16790	12123	16130	12737	13175	12665	12108
SIRES	AVERAGE	m	-		-	-	4	2			2	3	_	m	4	7	5
DHIA SI	AVE	231	305	305	305	599	301	305	305	305	308	294	305	594	304	305	302
NY OF	E AV.	304	366	452	361	361	404	365	395	382	372	306	346	321	340	327	340
HIGH-RANKING PROGENY OF	HERDMATE AV. MILK FAT	7654	9758	12393	8977	1168	10780	9865	10038	10020	10404	8239	9965	8792	9254	8549	8865
ANKIN	ADJ.	2	15	œ	4	4	ĸ	12	9	16	6	11	6	12	4	7	5
HIGH-	BIRTH DATE MO DA YR	11	12 25 59	19			27	20	15	12 3 60	13	10	30	3 24 59	17	18	3 4 54
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	CRW	223332	274234	266160	287525	287521	254943	271695	284437	290174	278571	256569	282002	266657	200351	217113	181958
M. SHORTHORN	HERD CODE	12170141	13030018	23060046	41250413	41250413	41879021	42229063	42429038	43350010	48349050	48349050	48349050	48349050	82130174	92280003	92280045

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ADDRESS OF OWNER	AUBURN AUBURN FALMOUTH POWNAL GRAY	HEBRON ORRINGTON BIDDEFORD BERWICK LACONIA	CANTERBURY NORTHWCOD NEW HAVEN MIDDLEBURY MIDDLEBURY	NORTH BENNINGTON DORSET WILLISTON SOUTH REYALTON RANDELPH CENTER	BRANDON WALLINGFORD NORTH CLARENDON ADAMANT WESTON	HARTLAND READING CANAAN SHEFFIELD AMHERST	HADLEY AMHERST STERLING JUNCTION EAST GARDNER HARDWICK	STERLING JUNCTION WEST SUTTON LEOMINSTER EAST PEPPERELL SHERBORN	BEVERLY IPSWICH TOPSFIELD WALPOLE BRIDGEWATER
ADDR	ROUTE 4 BOX 108 R D 4 BOX 122 34 EUREKA ROAD R F D 1 ATT MRS L BOWLES	R F D R F D 1 R F D 3 BLACKBERRY HILL RD R D 1	JUNIPER FARM FORD RD 2 RD 2 R 3	SADDLEBACK FARM R F D 1 R F D 2	R D 2 R F D HOLDEN HILL ROAD	R F D 1 ATT E H LOCKE R D 1 R F D NORTH EAST STREET	R D 2 ATT BERNARD L HILT ATT U J CHARLES	WEST SUTTON HARPERS DAIRY FARM OLDFIELDS FARM	CHERRY HILL FARM CROSS ST ATT- BARKER WORLDS END
NAME OF OWNER	TORREY, GLEN W. BAMFORU, HOWARD ZACHARIAS, ERNEST SNOW, LAWRENCE W.	DUNN, FRED H. AND SON CROCK, A. B. AND SON COLE, ROBERT EMERY, HARTLEY JR. SMITH, ROYAL AND SON	STANDISH, ALEXANDER JOHNSON, SAM & SCNS FORD, ROBERT R. BEDFORD, H. WARD PALMER, HAROLD L.	HEWITT, MERRITT S. JR. YATES, S. S. URIF, CARL A. DUMVILLE, ROBERT W. CURTIS, ELMER C.	BRANDON TRAINING SCHOOL STAFFORD, FRANK BILLINGS, JESSE D. GRAHAM, HARRY FOSTER, CHARLES H	LEXINGTON FARM LEXINGTON FARM CLAYTON DAIRY FARMS RIISKA, DAVID & PAT MAYO, GEGRGF I.	KENTFIELD, F. J. & J. F. UNIVERSITY OF MASS. DAVIS, JOHN A. AND SON GARDNER STATE HOSPITAL GOODFIELD, CHESTER E.	MUDGETT, VERNON D. WHITTIER FARMS INC HARPER, DAVID TWIN VALLEY FARM MCGREGOR, JEANNETTE	HOOD, H. P. AND SONS I APPLETON FARMS MEREDITH FARM NOWFOLK CO AG HIGH SCH LEHTOLA, PAUL S.
HERD CODE	11109038 11100039 11120038 11120065	11170078 11180089 11239023 11230053	12150103 12160149 13019022 13010601 13010613	13029021 13029055 13049311 13090604 13090741	13110104 13110217 13110522 13129137 13130309	13140122 13140212 14100236 14100243	14120201 14129401 14149025 14149035 14149038	14149066 14149102 14149125 14159117 14159307	14160004 14169009 14160015 14179037 14180020

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ACDRESS OF OWNER	PLYMOUTH WESTERLY AVON ROCKY HILL CORNWALL	LITCHFIELD LITCHFIELD KENT LAKEVILLE WASHINGTON DEPOT	LITCHFIELD LAKEVILLE ROXBURY GOSHEN NEW MILFORD	NEW HARTFORD BETHLEHEM CORNWALL BRIDGE SHARON HARWINTON	LITCHFIELD NAUGATUCK CHESHIRE NAUGATUCK ELLINGTON	ROCKVILLE WOODSTOCK SOUTH WOODSTOCK WESTERLO BERNE	EAST BERNE CUBA WELLSVILLE BELFAST VESTAL	NINEVEH LISLE DEPOSIT GOWANDA MACHIAS	VENICE CENTER RED CREEK CATO UNION SPRINGS LOCKE
ACD	ATT T W PRENTICE 90 FRANKLIN ST NOD RGAD HAYES RD	R F D 2 TAMARACK FARM	RRI BRUSH HILL RD SILENT MEADOW FARM R F D 1	MILLSTREAM FARM R F D 1 STONNY BATTER FARM SILVER LAKE RD	R F D 2 327 CHURCH ST 1142 TUCKER RD 327 CHURCH ST BOX 169 HOFFMAN RD	STAGE ROUTE R F D 1 BOX 208 R D 1	R F D 3 R D 2 R D 1 317 VANDERVOIT AVE	RD 1 R D 1 R D 1 RFD 2 FARM 1	RD 2 R D 1 YOUNG BROS PROP RD
NAME UF OWNER	FORGES FARM PANCIERA, ALDO JEWELHULM FARM HAYES, EU P. AND SONS CALHOUN, FRANK	SLATE, REGINALD W. DUDLEY, GEORGE C. EVARTS, KATHARINE A. LEE, ABEL POTTER, F. ARTHUR	RIPLEY, LOUIS R. BRISCOE, JOHN D. TOPLANDS FARM VAILL, H. L. AND SONS	MARSH, H. AND CADIEUX PETERSUN, RUSSELL HARRIS, HARRY UNZ, RODNEY OHIGHFLD AHLBERG, RONALD	PEPPER, PHILIP G. WHITTEMORE, J. H. TUCKER, W. C. AND N. H. WHITTEMORE, J. H. COMPAN	BAHLER, KEN PEDERSEN, V. AND S. FAIR VUE FARM POND VIEW FARMS MILLER, CHESTER	MILLER, HUBERT BENJAMIN, LEON W. BRANDES, CLARENCE COOMBES, RAYMOND VANDERVORT, K. S.	SCHULDT, HENRY AND SON BALDWIN, CHARLES FAITH FARMS HULL, FLOYD PARKER, HOWARD	BEAUDIN, ALBERT STEVENS, DUANE HERRINGTON, D J & O E FLEMING HOMESTEAD FM. SAXTON, HOWARD
HERD CODE	14189211 151101111 16040113 16049311	16069026 16069031 16069034 16060077	16060105 16069115 16069137 16060142 16060178	16069198 16069206 16069221 16069251	16060264 16100031 16109058 16109093	16140015 16160094 16160137 21019055 21010410	21010607 21020153 2102022 21020624 21030005	21030011 21030096 21030663 21040123 21049160	21050013 21059157 21059205 21050445 21059832

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ADDRESS OF GWNER	CLYMER PITTSFIELD FRFDGNIA KENNEDY CHERRY CREEK	ELMIRA ELMIRA NORTH NORMICH AFTON NORWICH	CHAZY TIVOLI CLAVERACK NEW LEBANON PINE PLAINS	DRYDEN CORTLAND HOMER LITTLE YORK	WALTON MARGARETVILLE DELHI WALTON	BLOOMVILLE DOWNSVILLE HAMDEN WALTON STAMFORD	WALTON DELMI ROXBURY ROXBURY HOBART	MARGARETVILLE YORKTOWN HEIGHTS CLINTON CORNERS PINE PLAINS	WINGDALE SOUTH WALES SPRINGVILLE AKRON GOWANDA
ADDR	RD 2 R D 2 BENNICK & ECKMAN R D 2 RD 1	R D 1 VALHANNA FARMS RD R D 3	R D THE BRITTANY FARM JOHN H MOORE	ATT LLOYD COTTERIL 45 PEARL ST R D 2	R D 1 BOX 253	BOX 111 P O BOX 54 ATT CLAUDE COOK	R D 1 SHELDON MERRITT R D RIVER ROAD	R F D 1 BULLS HD RD BRYANT ROAD	DVR FRNC RD WEED HILL ROAD MAYO ROAD MEAHL ROAD VAIL RO
NAME OF OWNER	WHITNEY, W. W. AND SON KELLOGG, CLARENCE BEN-ECK HOLSTEINS CRCSS, ROBERT FOSTER, WAYNE	JANNER, RALPH STORCH, FLOYD STANTON, DON AND DORIS CONNORS, GERALD W. PRCSKINE, JOHN	BECHARD, ANTONIO LANGRIDGE, WM. H. R. JR. BRITT, ROBERT CHITTENDEN, S. N. CRYSTAL BROOK FARM	COTTERILL, E. R. & SON 2 GUNZENHAUSER, B. G. MCNAHON, RICHARD T. UNDERWCOD, HARRY AND SON ELDERKIN, HERBERT	NEFF, ALFRED SCOTT, RALPH LIEN, THOR M. KILPATRICK, HERMAN KUPPENS BROTHERS	RIVERLAND FARM #2 WARREN, CHARLES 1 PLOUTZ, LELAND TAYLOR, RALPH PROSPECT FRM	YOEPP, wm. JAY N.Y.S. AGRIC.&TECH. INST HAAAPJ FARM # 2 UUGAN, JOHN JR. LAMPORT, FRANK JR.	SANFORD, DALTON HANDVER HILL FARM WHEELER, HENRY WINANS, H. C. AND SON CHASE, DR. KENNETH	BRUSH, E. HODGE SCHINTZIUS, PAUL KESTNER, RAYMOND YOUSEY FARMS ROSS, RICHARD B.
HERD CODE	21060291 21060328 21069348 21069394 21069739	21070016 21079049 21080009 21089578 21089868	21090004 21100092 21109159 21109379 21109493	21110001 21119067 21110118 21110171 21120047	21120065 21120074 21120151 21120165 21129200	21120398 21120428 21120452 21120455 21120479	21129515 21120533 21120663 21120669 21120701	21120818 21130004 21139277 21130339 21139371	21139440 21140034 21149186 21149397 21149680

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ADDRESS OF OWNER	WHALLONSBURG WESTPORT CHATEAUGAY MALGNE BURKE	BATAVIA ALEXANDER BERGEN BYRON BASOM WEST COXSACKIE	MOHAWK WEST WINFIELD JORGANVILLE ELLISBURG	WATERTOWN AVON EARLVILLE EARLVILLE EATON	WATERVILLE PRATTS HOLLOW DE RUYTER SPENCERPORT FULTONVILLE	AMES CAMDEN MARCELLUS WARNERS APULIA STATION	FABIUS FABIUS LA FAYETTE CANANDAIGUA GENEVA	PENN YAN PENN YAN STANLEY WALDEN UNIONVILLE	NEW HAMPTON CHESTER WALDEN PINE ISLAND WESTTOWN
ADDR	BOX 47 ATT. EMILE LAROSE WHITE ST COLLINS CREST FRM R F D # 1		RD 2 R #1 R D 1 ROUTE 1	RD 3 ATT CLARENCE FRIES BOX 186 R D 2 R D 1	R D 2 R D 1 270 PINE HILL ROAD R D #1	MCCONNELLSVILLE RD RD 1 R D 1 BOX 65	RD 1 RD 1 GATES RD RFD 2 ATT WM AUSTIN R D	RD 1 RD 3 RD 2 RD 2	BOX 123 BOX 277 RD 2 R D 1 R D 1
NAME OF OWNER	CLARK, DARWIN 3 TREADWELL, JOHN SWANSTON AND MCHARDY COLLINS, DONALD COUK, R. CLIFFORD	MY T ACRES HERD 1 WAITE, ARLON & SON 1 PENGELLY, WILLARD WILCOX, H. ATT- H. MIERK GREHLINGER, DUANE NYS VOCATIONAL INSTITUTE	LL, THOMAS , EUGENE HOI R, H. AND B.	PORTER, GLENN C. 1 CASE, CHAS Z. HARVEY, GLENN BRANAGAN, DONALD L. HONSINGER, HARVEY	HEAD, CARLTON 1 MARSHALL, L. AND D. JUDD, S. H. AND CO. MONCONY FARMS EGLESTON, RALPH	HODGE, MERLE HARDEN FARMS HORSFORD, CARL AND SONS CRANDON, LLOYD AND SON HUNSINGER, DUANE	FRAZEE, JAMES KNAPP, WALTER AND SON EVERINGHAM, ROBERT STANSWISS FARM AUSTIN, JOHN AND SON	MARTENS, KLAAS CHRISTENSEN, DAVID E. PHALEN, ROBERT WINTER, DONALD S. COSH, ARTHUR W.	NEW HAMPTON BOYS TR. SCH JOHNSON, C. F. AND SON MENENDEZ, M. AND SONS EDSALL, HARRY C. REYNOLD, ROE
HERD CODE	21150012 21159301 21169121 21169426 21160646	21189010 21180232 21189254 21189404 21180463 21190007	21200065 21200212 21209898 21210414	21219647 21230342 21240020 21240221 21240255	21249491 21249504 21240661 21259428 21260789	21260975 21299886 21309010 21309074 21300141	21309200 21300532 21300672 21310007 21319028	21319249 21310369 21319387 21320027 21320054	21329079 21329097 21329139 21320147 21320169

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ADDRESS OF OWNER	GOSHEN WARWICK WASHINGTONVILLE SLATE HILL MONIGOMERY	CATO HANNIBAL GARRATTSVILLE COOPERSTOWN WESTFORD	COCPERSTOWN CHERRY VALLEY COOPERSTOWN CHERRY VALLEY TROY	HAMMOND CANTON NORTH BLENHEIM SHARON SPRINGS SHARON SPRINGS	LODI BATH JASPER ATLANTA AVOCA	REXVILLE GREENWOOD WOODBOURNE NORTH BRANCH FERNDALE	OWEGO ONEGO ITHACA ITHACA WEST DANBY	WALLKILL STONE KIDGE WALLKILL KERHONKSON GREENWICH	COSSAYUNA SCHAGHTICOKE ARGYLE COSSAYUNA GREENWICH
ADOR	R F D I BOX 140 93 WEST ST SOUTH ST ROUTE 208 R D 2	RD 3 RD 2 R D 1	RD 1 DECISION FARM R D 4	R F D 1 R D 1 RD 2	R D 2	R D 1 R D 1 CONCORD FARM R D 1 RD 1	STAR ROUTE 2 R D 2 R D 3 R D 6	GALE FARM BOX G R D RD 1	BOX 22 RD 1 R D # 2 R D 3
NAME OF OWNER	KOLK, NICHOLAS H. BOLLENBACH, WILL MALLON, WILLIAM L. ELMORE, FLOYD MOULD, HAROLD	HILTON, DORWIN STOWELL, CLAIR WALTER, NORMAN DUNNING, HENRY LP JR. HUNTINGTON, L. S. & SONS	IROGUOIS FARM LANE, RAYMOND SHEFFIELD, WILLIAM H. JR ROSE, LARRY OTTMAN, ROY E.	DUNHAM, FRANK AND ALLAN NYS AGRIC. & TECH. INST. MATTICE, BURTON J. LYNK, CHARLES BUTTON, E. W. & DAUGHTER	CHAMPION, LLGYD HOPKINS, LISLE HUNT, SHELDGN SCHWINGLE, L. AND SONS CONNOR, MRS. EDITH	HARKENRIDER, PAUL J. HOLLENBECK, LEONARD PARKER, RAYMOND NOETZEL, RUDOLPH CAÑR, DEWEY	STRONG, VICTOR ROSENBERGER, WILLIAM H. ALBRECTSEN, RAYMOND STEVENSON, HARVEY TODD, MILTON	SMITH, HOWARD C. KELDER, S. ROBERT WALLKILL PRISON LAVIS, PHILIP TAMARACK FARMS-E. LIDDEL	JOHNSON, HAROLD MOY, CECIL MCGEOCH, PAUL THYGESEN, ALF THOMAS, RALPH
HERD CODE	21329409 21329409 21320512 21329695 21329743	21349749 21350004 21350016 21359050	21350090 21350126 21359161 21359255 21379558	21390012 21399534 21420036 21429221 21420241	21440031 21450006 21450040 21450452 21459514	2145988 21459987 21470001 21479011 21470330	21480060 21480155 21499020 21499169 21490292	21509072 21500146 21500225 21509530 21520002	21520061 21520071 21520098 21520216 21520231

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ADDRESS OF OWNER	GREENWICH GREENWICH LYONS WOLCOTT PALMYRA	MACEDON NORTH ROSE WILLIAMSON ATTICA MYOMING	WARSAW VALMALLA BRIDGEHAMPTON COLUMBUS WRIGHTSTOWN	CALIFON FAR HILLS BELLE MEAD PRINCETON AUGUSTA	SUSSEX SUSSEX LITTLESTOWN HODDVILLE MAYVIEW	CORAUPOLIS BEAVER FOMBELL WATERSIDE ROARING SPRING	BEDFORD NEW ENTERPRISE HOPEWELL EVERETT NEW ENTERPRISE	BEDFURD KUTZTOWN KEMPTON SHOEMAKERSVILLE SHOEMAKERSVILLE	STRAUSSTOWN BERNVILLE FLEETWOOD OLEY ALBURTIS
•	R D 1 RD 65 GARNSEY ROAD	598 FAIRPORT RO R D 1 1833 RIDGE RD W R D 2 R D 1	R F D 3 HAYGROUND ROAD GEORGETOWN RD R D 1	R D 1 R D 1 RD 1	R D 2 BOX 212 R D I R D 2 C/O FARM MANAGER FARM MANAGER	R D 1 BOX 152 R D 1 R D 1	R D 3 R D 1 R D 3 BOX 68 R 1	R 2 2 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R 2 2 R F D 1 R D 1
- NAME OF OWNER	WILBURHOLM FARMS PFEIFFER, WINIFRED STUDER, ROY GREEN DAIRY FARMS INC. 1	BRADLEY, HOWARD E. DUKHAM BROTHERS RUGGER, A. AND SON FUGLE, GEORGE WETHERWAX, RONALD	MEEDER, RONALD M. CO. DEPT. PUB. WEL. BALDWIN, SAYRE BISHOP, JOHN FARM 2 CRUSHAW, J. ELLIS	STEVENSON, RICHARD J. SPANN, MAX JERSEY FARM CONARD, S. ROBERT LUVDAL FARMS MCDANOLDS, WILLIAM L.	AUKEMA, DWEN JERSEY BITTMAN, JOSEPH P. EMORY GITT & SON WOCDVILLE ST HOSP MAYVIEW STATE HOSP	J S & J S MC CORMICK BRADSHAW FARM J M KROLL & SONS SAMUEL E BAKER ALLEN J BAKER	RANDOLPH HITE JOHN R BAKER RALPH E RITCHEY JOHN PAUL WILT ROBERT REPLOGLE	LOUIS H WHITNEY EARL H RABENOLD HARRY A LUTZ SAMUEL G YODER W DREIBELBIS & SONS	PAUL R ANTHONY NORMAN W REIFSNYDER ROGER S BUCH RAYMOND G MAST ROBERT G SEIP
HERD CODE	21520310 21520581 21539062 21530160 21530199	21530217 21530240 21530997 21550145 21559275	21559412 21580184 21580205 22109050 22109086	22170091 22170111 22260026 22269078 22299129	22299300 22299300 23010073 23020001 23020008	23020037 23040054 23040060 23050008 23050033	23050071 23050081 23050108 23050154 23050165	23050179 23060018 23060020 23060046 23060061	23060080 23060084 23060109 23060144 23060152

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ADDRESS OF DWNER	HAMBURG READING HOLLIDAYSBURG MARTINSBURG	PORTAGE TYRONE MARTINSBURG MARTINSBURG CUNCANSVILLE	MARTINSBURG EAST FREEDOM TYRONE CANTON R D 1	LITTLE MEADOWS WYALUSING TOWANDA POINT PLEASANT	BUCKINGHAM KINTNERSVILLE OTTSVILLE NEWTOWN	BEDMINISTER PERKASIE NEWTOWN FOUNTAINVILLE DOYLESTOWN	WEST SUNBURY SLIPPERY ROCK BUTLER BUTLER BUTLER	PATTON LORETTO BELLEFONTE BELLEFONTE PORT MATILDA	PORT MATILDA REBERSBURG HOWARD MILLHEIM STATE COLLEGE
ADDR	R D 2 R D 2 BOX 539C R D 2 R D 1	R D 2 2 R D 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R D 1 R D 1 BOX 176 JOHN L BRACKMAN R D 1	R D C C C C C C C C C C C C C C C C C C	BOX 186 R D 1 SYCAMORE ST SILVER LAKE FARM	R D 2 BOX 195 R D R D 2	R D 1 R D 1 R D 6 R D 4 R D 3 BOX 146	R D RCKVW % S STOVER R F D 2	R D R F C 1
NAME OF OWNER	JAMES H ADAM DALE H WILSON CHARLES KOCH JAMES BAKER DEAN HEARN	CARL F HELSEL L A MORROW LONALD R SMITH RICHARD HELTZEL RICHARD FREDERICK	GEORGE BRIDENBAUGH DAVID C BURKET RALPH BECK JR LEROYDALE FARMS	RUSSEL L JONES ALFRED M DURAND KENNETH KERRICK EDGAR H SMITH UR WILLIAM Y LEE	GEORGE H HUNTLEY JAMES PAVLICA PENROSE HALLOWELL CHAS D LOWNES & SONS JAMES L FRANK	CLAYTON LANDIS WILLIAM TYSON FRED BELKE HERMAN BISHOP J HENRY MYERS	FINLEY COOPER & SON CON E HIXON SIMPSON FARM PAUL C SMITH	PAUL HOOVER & SONS LEO NOLL CORRECTIONAL INDUSTS HENRY WEIGHT ALBERT M GRAHAM	E M PETERS KENNETH E GEPHART WALTER E LUCAS RALPH E COLYER J KENNETH WALKER
HERD CODE	23060169 23060251 23070001 23070002	23070031 23070044 23070049 23070084 23070085	23070121 23070124 23070127 23080057 23080064	23080124 23080134 23080147 23090017 23090045	23090046 23090070 230903119 23090301	23090403 23090415 23090828 23090908 23090911	23100046 23100045 23100056 23100080 23100094	23110012 23110027 23140005 23140020 23140023	23140024 23140036 23140043 23140047 23140048

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ADDRESS OF OWNER	BELLEFONTE PORT MATILDA HOWARD SPRING MILLS SPRING MILLS	UNIVERSITY PARK UNIVERSITY PARK BELLEFONTE MINGOVILLE CHADDS FORD COCHRANVILLE	ELVERSON R D 1 MORGANTOWN TOUGHKENAMON LIONVILLE ATGLEN COCHRANVILLE CHADDS FORD	CHESTER SPRINGS OXFORD SLIGO MIOLA ROCKTON MILL HALL	BEECH CREEK LOGANTON SALONA MILL HALL	MILL HALL LOGANTON SAEGERSTOWN CONNEAUTVILLE SPARTANSBURG	TITUSVILLE TITUSVILLE TOWNVILLE MEADVILLE CARLISLE	CARLISLE MECHANICSBURG MECHANICSBURG MECHANICSBURG BOILING SPRINGS
Aſ	8 8 8 8 9 8 9 8 9 8 9 9 9 9 9 9 9 9 9 9	DAIRY BARN DAIRY BARN R D 1 BOX 43 HILL GIRT FARM R D	Par Port	R R R R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1 R D 1	R D 2 R D 1 R D 1	R D 1 R D 2 R D 2 R F D 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	R F D 3 RFD 2 R F D 2 R F D 2
NAME OF OWNER	J R HARTLE & SONS CLARENCE GUMMO PAUL H VONADA MELVIN G MILLER JAY HOUSER	PENN STATE UNIV PENN STATE UNIV JOSEPH HARTLE JR LESLIE DEITRICH H G HASKELL JR PAUL H EBY	TS SYT	SAMUEL B ACKER HARRY FREESE & SON SHOOKS DAIRY MAHLES FARM A L ORNER & SON CHARLES MOORE & SON	MALCOLM PETERS & SON LUTHER STOVER RICHARD FOX WILBUR H MC CLELLAN CLAIR D COURTER	J GAYLORD CONFER HARRY MEYER ROBERT C RUST SMITH BROTHERS HARRY FIRTH	HASBROUCK FARMS NEAL HASBROUCK R CARPENTER & SGNS LERDY EHRGOTT M SHEAFFER UNIT 2	MERLE E MILLER ROBERT KNEPPER MELVIN L HERTZLER FRANK E STONER JR C M CORNMAN & SONS
HERD CODE	23140066 23140070 23140094 23140167 23140181	23140184 23140185 23140202 23140237 23156001	23150072 23150076 23150118 23150137 23150338 23150344 23150453	23150478 23150515 23160004 23160045 23170028 23180017	23180018 23180037 23180048 23180050 23180062	23180066 23180075 23200060 23200063	23200130 23200131 23200154 23200252 23216004	23210007 23210012 23210030 23210032

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ADDRESS OF OWNER	NEWVILLE CARLISLE CARLISLE ELIZABETHVILLE MIDDLETOWN	HUMMELSTOWN ST MARYS UNION CITY WATERFORD WATTSBURG MERCERSBURG MERCERSBURG FT LOUDON	CHAMBERSBURG CHAMBERSBURG WAYNESBORO ST THOMAS MERCERSBURG FAYETTEVILLE HUSTONTOWN	ALEXANDRIA WARRIORS MARK MILL CREEK MARION CENTER CLYMER TORRANCE SHELOCTA REYNOLDSVILLE REYNOLDSVILLE	BROGKVILLE RINGGOLD MIFFLINTOWN MC ALISTERVILLE BLAIRS MILL PORT ROYAL MIFFLINTOWN MIFFLINTOWN PORT ROYAL	BLAIRS MILL PORT ROYAL MIFFLINTOWN MIFFLINTOWN EPHRATA
ADDR	R D 1 R D 4 BDX 10 R F D 1 2895 FULLING MILL	R D 3 ROSLY ROAD R F D 1 R F D 3 R D 2 ROUTE 2 BOX 67 BOX 7	<b>⊢</b>	R D 1 R D 1 R D 3 R D 2 R D 2 R D 3	SIGEL ROAD BOX 22 R D 2 BOX 14 R D 2 R D 1 R D 1 BOX 1188 R F D 2 R D 2 R D 2	R D 1 STAR ROUTE R D 2 BOX 229 R D 1
NAME OF DWINER	STANLEY L SPENCER DONALD LEHMAN ALLEN DAIRY FARMS CALVIN B MAUSER SAMUEL L KEENER	BRUCE R ZELL G C GROTZINGER DAVID-DREW ROCKWOOD LARUE MC W RYAN ' CALVIN H HENRY HOWARD J MELLOTT NEELTON FARM ARTHUR FARMS	W R DEARDORFF & SONS IRVIN M FREY HARGLD GAYMAN MEADOW SPRINGS FARMS MARSHALL WITTER NORMAN J BRECKBILL JOEL KNEPPER	ROBERT C NEFF HERBERT CONRAD SAMUEL K BYLER CARL E WALKER CLYDE HOUCK TORRANCE STATE HOSP WAYNE WOOD MRS MEADE BUHITE DALE CORBIN	BLAKE & JOHN J PARK RALPH R YOUNG JR ROBERT C KAUFFMAN JOSEPH W SEIBER JR JAMES H SPEER SR GLEN SIMONTON C W BOOK DONALD E FRYMOYER J H BOOK THEODORE E WAGNER	JAMES H SPEER JR JACOB K ZODK RAYMOND E KAUFFMAN DONALD M WHITESEL EZRA M MARTIN
HERD CODE	23210082 23210139 23210304 23220048 23220052	23220089 23240005 23250317 23250461 23250507 23280037 23280040	23280056 23280074 23280084 23280154 23280164 23280191 23290009	23310001 23310005 23320003 23320006 23320040 23330006 23330018 23330018	23330067 23330082 23340001 23340006 23340016 23340045 23340049 23340049 23340052	23340061 23340062 23340063 23340065 23360010

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SS OF DWNER	ELVERSON EPHRATA RONKS LEBANON GORDONVILLE	RONKS GORDONVILLE LEOLA LANCASTER PEACH BOTTOM	QUARRYVILLE QUARRYVILLE MT JOY LANCASTER LITITZ	HONEY BROOK ELVERSON WILLOW STREET BAINBRIDGE HONEY BROOK	ELVERSON GAP LANCASTER LANCASTER MT JOY	MT JOY HONEY BROOK EAST PETERSBURG MANHEIM LITITZ	LANCASTER QUARRYVILLE KINZERS HONEY BROOK	EPHRATA LITIZ LEOLA RONKS RONKS	QUARRYVILLE GORDONVILLE PEACH BOTTOM QUARRYVILLE KINZERS
ADDRESS	R D 2 R D 1 R F D 1 LESTER BOLL ROUTE R D 1	R D 1 R D 1 R D 1 442 WILLOW ROAD R D 1	R F D 2 R D 1 R F C 2 R F D 1 ROUTE 2	R D 1 80X 235 R D 2 R D 1 R F D 1 R D 1 80X 234	R D 2 R 1 1406 LAMPETER ROAD 1831 HANS HERR DRIVE R F D 2	R D 1 R D 1 2191 GRAYSTON RD R 1 R 2	2025 OREGON PIKE R D 3 R D 1 R D 1 401 BEAVER VALLEY	X X X X X X X X X X X X X X X X X X X	R D 1 R F D 1 BOX 258A R D 1 R F D 3
NAME OF OWNER	ANDREW D STOLTZFUS HENRY W MARTIN PARKE H RANCK LANC MENNONITE HCSP J EBY HERSHEY	LEVI S STOLTZFUS ELLIS R DENLINGER SIMEON M STOLTZFUS FRANK L HERSHEY CHARLES TINDALL	CLAIR K GRIFFITH ROBERT W ULRICH A W WICKENHEISER ERNEST J SAUDER TITUS M HURST	JACOB K STOLTZFUS PAUL HARTZ PAUL R WITMER PAUL E NISSLEY & SON AMOS C STOLTZFUS	AMOS M STOLTZFUS RAYMOND M HOOVER EDWIN J LANDIS MELVIN PEIFER JAMES M ESHELMAN	WILBUR N ERB BEN S STOLTZFUS SAMUEL A DUM WILLIS A KILHEFFER NORA M MYERS & SON	HERB & RHELDA ROYER KREISLE & FOULK BENUEL M STOLTZFUS JOHN OMAR STOLTZFUS J MOWERY FREY & SON	PAUL B ZIMMERMAN JAMES R GRAYBILL AMOS B LANTZ DAVID L KING JOHN M KING	WILLIAM J AARON JOHN E ESH EDISON W OSBORNE HARRY L TROOP R C HERSHEY & SON
HERD CODE	23360013 23360014 23360031 23360053 23360061	23360074 23360076 23360083 23360092 23360106	23360111 23360113 23360137 23360139 23360164	23360214 23360257 23360264 23360275 23360300	23360308 23360316 23360326 23360354 23360371	23360388 23360415 23360416 23360418	23360427 23360463 23360467 23360474 23360478	23360497 23360575 23360577 23360589 23360590	23360614 23360648 23360686 23360688 23360702

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ADDRESS OF OWNER	ENON VALLEY SLIPPERY ROCK NEW GALILEE PORTERSVILLE SHERIDAN	JONESTOWN ANNVILLE LEBANON LEBANON ANNVILLE LEBANON LEBANON JONESTOWN SCHNECKSVILLE	LEHIGHTON KRESGEVILLE STILLWATER DRUMS NESCOPECK	MONTOURSVILLE MUNCY COGAN STATION MUNCY SALLADASBURG LINDEN LINDEN TROUT RUN	MONTOURSVILLE MONTGOMERY NESBET JERSEY SHORE SMETHPORT SMETHPORT MERCER GROVE CITY NEW WILMINGTON	BELLEVILLE BELLEVILLE BELLEVILLE BELLEVILLE BELLEVILLE BELLEVILLE
AD	R D 2 R D 3 R D 2	XXXX XXX XX	, v FOO	# RUSSELL BEACH R D 2 R D 2 R D 2 R D 4 R D 1 R D 1 R D 1 R D 1	X X X X X X X X X X X X X X X X X X X	TAR
NAME OF DWNER	AOBERT BYERS C A DICKINSON JR R B JACKSON & SON M & HAROLD WILSON HAROLD G BOLLINGER	CLATR H GERBERICH NED LAYSER CYRUS Y BOMBERGER PAUL T GOOD J HENRY MEYER RAY A LENTZ ISAAC ZIMMERMAN ABRAM T LEFEVER HUBERT SELL		LYCOMING CO INST DIS CLIFTON J FRY EUGENE MUTCHLER J NICHOLSON & SONS ROY SCHULTZ HOWELL WALTZ EMERY JARRETT & SON FRED W LOVELL LESTER M POUST LEON W TAYLOR	JOHN W IRION JOHN C BOWER JR HENRY STEPPE & SONS DAVID HALLOW PAUL & J KLEISATH WALSTROW FARM MERCER COUNTY HOME LEROY CAMPBELL INDIAN RUN FARM ROBERT RURENS	S N N O >
HERD CODE	23370009 23370020 23370064 23380014	23380035 23380129 23380126 23380148 23380166 23380195 23380208 23390029	23390047 23390062 23400042 23400052 23400057	23410012 23410021 23410047 23410050 23410070 23410095 23410114 234101133	23410134 23410136 23410152 23410171 23420020 23430021 23430025 23430025 23430099	23440026 23440026 23440014 23440026

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ADDRESS OF OWNER	LEWISTOWN R D LEWISTOWN MC VEYTOWN MC VEYTOWN BELLEVILLE	BELLEVILLE LEWISTOWN LEWISTOWN BELLEVILLE LEWISTOWN	BELLEVILLE LANSDALE AMBLER GRATERFORD COLLEGEVILLE	HARLEYSVILLE MILTON DANVILLE DANVILLE BATH	EASTON EASTON WATSONTOWN NORTHUMBERLAND HERNDON	LOYSVILLE BLAIN NEWPORT ELLIOTSBURG NEWPORT	DUNCANNON DUNCANNON MILLERSTOWN MILLERSTOWN NEWPORT	ROULETTE SHINGLEHOUSE TAMAQUA PITMAN KLINGERSTOWN	PITMAN SELINSGROVE SELINSGROVE SELINSGROVE BEAVER SPRINGS
ADC	C/O O SUNDERLAND R F D 1 R F D 1 R F D 1	R D 1 BOX 224 R D 2 R D 2 R D 3 BOX 213	R D R D 1 MORRIS CHESTON BOX 244 R D 2	R D 1 BOX 258 R D 2 R D 5 R D 4 R D 1 BOX 256	R D 2 R D 4 R D 1	R D 1 R D 1 BOX 234 R D 1 R D 1	R D 1 R D 1 R D 2	X X X X X X X X X X X X X X X X X X X	R D 1 80X 500 R D 1 R D 1
NAME OF OWNER	J B KAUFFMAN E CLAIR FISHER JAMES M RODGERS CLOYD T WHARTON KORE J PEACHEY	JESSE W BYLER R S & W H BRADFORD ZIEGLER FARMS INC DAVID R SPICHER JAMES F NOERR	THOMAS PEACHEY ROBT A GREASER WHITPAIN FARM C I ST PENITENTIARY WALEBE FARMS	GEORGE SENEKO JR EARL CRAIG JR DONALD REINAKER VILLA FARM JOHN VALKOVEC	WILLARD E SETZER ERNEST M BACHMAN CHESTER GREINER JOHN F GEISE HOMER CAMPBELL	MRS DWIGHT MC MILLEN MARY E RICE HOWARD D BARKLEY THOMAS DUM SR GABEL BROS	PORTER D HOSTETTER L H CARNES DELMAR BROFEE KEYSTONE GUERNSEY FM DAVID Z KENNEDY	ROBERT F GREENE JR BEN STONEMETZ EARL C WAGNER NORMAN ROTHERMEL	SNYDER BROTHERS SELINSGROVE ST SCH KENNETH H BOYER MARVIN GAUGLER CARL K REIGLE
HERD CODE	23440034 23440037 23440040 23440043 23440059	23440064 23440103 23440110 23440111 23440111	23440135 23460127 23460206 23460222 23460228	23460321 23470017 23470026 23470057 23480074	23480076 23480107 23490020 23490030 23490065	23500008 23500008 23500027 23500033	23500074 23500078 23500081 23500316 23500327	23530082 23530107 23540031 23540046 23540065	23540067 23550003 23550004 23550021 23550026

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ADDRESS OF UWNER	SELINSGROVE WINFIELD SELINSGROVE BEAVERTOWN RICHFIELD	RICHFIELD BEAVERTOWN BERLIN FRIEDENS 9ERLIN	MEYERSCALE HALLSTEAD SO MONTROSE LEWISBURG LEWISBURG	LEWISBURG NEW BERLIN MILLMONT MIFFLINBURG MIFFLINBURG	ALLENWOOD POLK GRAND VALLEY RUSSELL NORTH WARREN	BENTLEYVILLE COAL CENTER BURGETTSTOWN BENTLEYVILLE BULGER	PLEASANT MOUNT HANCOCK LAKEVILLE MOSCOW WAYMART	NEWFOUNDLAND HONESDALE WAYMRT GREENTOWN LAKE ARIEL	GREENSBURG BLAIRSVILLE SALTSBURG GREENSBURG LIGONIER
Aŭ	R D 1 R F D 1 R F D 1	R R R R D 11 R R D 11 11 11 11 11 11 11 11 11 11 11 11 1	R D 1 R D 2 BOX 32 R D 2 R D 2	R D 3 STAR RCUTE R D 1 R D 2 R F D 1	R D 1 FARM MANAGER R D 1 R D 2 BOX 240	R F D 1 R F D 1 R D 3 308 LINCOLN AVE R D 1	STAR ROUTE R D 1	WATTS HILL ROAD R D 1 R D 2	P 0 18 R D 3 BOX 397 R D 2 R D 1
NAME OF DWNER	IRA L YODER WILBERT L FRY CHRISTIE YODER RANDALL C REARICK GUY S WINEY	JAMES R KAUFFMAN RICHARD G NERHOCD EMERSON L KNEPPER ALBERT R KLINE THOMAS I MAUST	WILLARD MAUST ALBERT WELLS BYRON CRISMAN & SON LEON M MUSSER FRED & CHARLES DCCK	MODDROW W SPANGLER DONALD B SPANGLER HENRY SANDERS MILLER SHOEMAKER JAMES E MAPES	GEORGE SHOWERS & SON POLK STATE SCHOCL LYNN W BEERS LINDELL BROS WARREN STATE HOSP	JOHN MARCHEZAK ROY ROBISON & SCN R F KASTE CARLETON D SCUIRES JAMES MC KEAN	EDWARD BROOKING A D AGATI & SONS LOCKLIN BROS JOSEPH SHENKO RIVERDALE FARMS	RAY GILBY STEPHENS BROS ELMER THELMA BENDER LARRY & BRUCE MCLAIN ARTHUR R HEMMLER	WESTMORELAND CO HM R C LYDICK F E LYONS & SON SILVIS FARMS INC HARRY R MARKER
HERD CODE	23550031 23550032 23550042 23550044 23550068	23550073 23550076 23560012 23560103 23560111	23560136 23580106 23580179 23600003 23600019	23600028 23600045 23600080 23600086 23600098	23600128 23610002 23620005 23620010 23620017	23630010 23630014 23630042 23630088 23630150	23640054 23640058 23640098 23640105 23640129	23640144 23640202 23640205 23640226 23640226	23650001 23650050 23650063 23650080 23650170

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ADDRESS OF OWNER	TUNKHANNOCK FAWNGROVE ROUTE 5 YORK YORK THOMASVILLE	DALLASTOWN YORK YORK HELLAM COLUMBUS GROVE	SPENCERVILLE SPENCERVILLE LIMA ASHLANG LAKEVIILE	ASHLAND WEST SALEM KINSMAN AUSTINBURG ROME	STEWART ST. MARYS MINSTER MINSTER	NEW KNOXVILLE NEW KNOXVILLE NEW KNOXVILLE MINSTER ST. MARYS	CRIDERSVILLE ST. MARYS WAPAKONETA BARNESVILLE WINCHESTER	WINCHESTER WEST LIBERTY SPRINSFIELD NEW CARLISLE NEW CARLISLE	S. CHARLESTON SPRINGFIELD BETHEL MARTINSVILLE SABINA
ADDRE	R D 4 R D 1 C/O H STEBBINS N GEORGE ST EXTD R D 1	R D 1 R D 6 R D 1 R D 2 ROUTE 2	ROUTE 2 ROUTE 3 ROUTE 1	*ROBERT KLEVER RT2 ROUTE ROUTE BOX 165	BGX 124 RGUTE 2 RURAL ROUTE RURAL ROUTE	ROUTE 1 ROUTE 1 ROUTE 1 RURAL ROUTE	ROUTE 4 ROUTE 1 ROUTE 3 %C. GUINDON ROUTE1 ROUTE 1	ROUTE 1 ROUTE 1 ROUTE 1 ROUTE 3	ROUTE 1 3743 E. HIGH ST. 306 N. MAIN ST. ROUTE 1 ROUTE 1
NAME OF OWNER	WILLIAM N LANE & SON C EVERETT RICHARDSON L J APPELL RUTTER BROS ALBERT M BENTZ	ALBERT DEHOFF IRA L BOYER CHARLES FALKENSTEIN VALLEY ACRES INC BEGG BROTHERS	SUNRISE DAIRY FARM ACRES INC. RSAM HAGER LIMA STATE HOSPITAL WINDING BROOK FARM GLENN WEBER	P FUNK & R & J KLEVER H. HASTINGS & SONS HARLEY C DAVIS GEURGE ARMINGTON JR. DAVID KELLOGG	BERTIE BROOKOVER IVAM GLASS THUMAS BENSMAN WILBERT BECKMAN PAUL BENSMAN	KNOX VIEW FARM LESTER KRUSE JAMES PRUETER GLD HME. FM. W EITING VERNON FLEDDERJOHANN	LLOYD EPPERLY & SONS L. HENSCHEN & SON JOHN SCHLENKER FRIENDS BOARDING SCH R E SHELTON	EARL K DEVURE & SONS F.COUCHMAN & E.GOINGS WILLIAM BAIRD WILMER C. FUNDERBURG CLAUDE V. MOORE	CLARK E STEWART C.H.STICKNEY & SON LALE BEE GEORGE GANO R.BARTON MELODY MOUND
HERD CODE	23660028 23670021 23670067 23670075 23670104	23670127 23670160 23670202 23670245 31020001	31029014 31029080 31020320 31030058	31039064 31039315 31040009 31040024 31040450	31053200 31060009 31060036 31060050	31069060 31060063 31060070 31060225 31060275	31060350 31069400 31069800 31070011	31080024 31119646 31129029 31120308 31120570	31129720 31129735 31139005 31149006

# LIST OF HERD CHNERS

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ADDRESS OF OWNER	BELOIT NEW WATERFORD FRESNICLE BUCYRUS	BUCYRUS OCEOLA BUCYRUS CHATFIELD NEW WASHINGTON GREENVILLE ARCANUM ARCANUM NEW MADISON NEY	OSTRANDER SANDUSKY BELLEVUE LANGASTER CIRCLEVILLE	CANL WINCHESTER AMANDA BLOOMINGBURG MORENCI SWANTON	CHARDON CHAGRIN FALLS CEDARVILLE CINCINNATI 39 WILLIAMSTOWN	ADA FINDLAY RAWSON FOSTORIA ALVADA	MILWAUKEE HILLSBORD SHREVE MILLERSBURG SHREVE	BIG PRAIRIE WAKEMAN NEW LONDON SHILOH NORWALK
ADOR	ROUTE 1 ROUTE 3 ROUTE 1	ROUTE 4 80x 8 ROUTE 4 ROUTE 1 ROUTE 1 ROUTE 5 ROUTE 5 ROUTE 1 ROUTE 1 ROUTE 1 ROUTE 1	ROUTE 1 ROUTE 2 ROUTE 4 ROUTE 1 ROUTE 4	ROUTE 1 ROUTE 1 ROUTE 1 ROUTE 1 BOX 67	ROUTE 2 ROUTE 2 ROUTE 2 7139E.MIAMIRIVERRD ROUTE 2	ROUTE 3 ROUTE 2 ROUTE 1	%8645 W. WISC. AVE ROUTE 2,BOX 12A ROUTE 2 ROUTE 5	ROUTE 1 %J. BLAIR ROUTE 3 ROUTE 2 ROUTE 1 %D.LAWRENCE RT. 2
NAME OF OWNER	B.PHILLIS W.R. RUPERT AND SONS GEORGE E CRILE ALFRED & C. DUNCAN ROBERT H GREENICK	U. G. ARNOLD BRUCE F MUTCHLER C.R.SOURS C.FEICHTNER E K BARTH ROBERT HARRER LLOYD HARPEST THUMAS SNYDER E SONS C.W.PETERS AND SON HAROLD H. PETRY FRANCIS C.WESTRICK	BYERS ERT E. SC UST G. MC S AND CAF TER C. R.	W H DILEY E SONS JACK RICKLY H SEAMAN & C COOPER ELVIN KELLER LOWELL BREHM	CR. H B THOMAS & SON STERLING TIMMONS L.B. STRALEY & SONS REINKE BROS. JAMES SCHEY	FREDRICK CRIBLEY R W WISELY LORENZ VON STIEN GOCDSONS FARM LUTHER A WISELEY	HOOF P.FM. MCCLURE O. PROUDY AND WALKER DALE W. KAUFFMAN LYLE D.HOSTETLER DALE SCHLEGEL	RUSSEL M. FETTER R.D.BUNDY ROYAL ACRES W.L.CAWRSE CHARLES B. KEYSOR DEAN CLIFF FARM
HERD CODE	31159063 31159673 31169100 31160125 31170010	31179012 31170013 31170017 31170019 31179200 31190002 31199680 31199697 31200018	31210099 31220006 31229019 31239077	31239160 31239674 31240112 31260001 31260006	31289725 31280775 31290660 31310004 31320009	31329011 31329012 31320016 31320330 31320840	31359013 31360012 31380001 31380009	31389210 31399050 31390160 31390490 31390600

ROUTE ROUTE SMITH ROUTE ROUTE
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ROUTE 1 ROUTE 1 ROUTE 1 5383 GCDOWN ROAD
ROUTE 3 %R. C. BAILEY RT.1 ROUTE 1 INST #HARRY EARL ROUTE 1
ROUTE ROUTE ROUTE ROUTE ROUTE
ROUTE 1 * HARGLD ROUTE 1 ROUTE 1,
BOX 20 ROUTE ROUTE ROUTE ROUTE
ROUTE ROUTE ROUTE ROUTE 7370

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ADDRESS OF OWNER	NEW LEBANON BELLVILLE MANSFIELD FREMONT HELENA	TIFFIN ATTICA FLAT ROCK REPUBLIC TIFFIN	CLYDE SIDNEY ANNA BOTKINS KETTLERSVILLE	LOUISVILLE MAXIMO HOMEWORTH LOUISVILLE MASSILLON	NORTH CANTON LOUISVILLE MASSILLON KINSMAN CORTLAND	VIENNA FARMDALE FARMDALE NEW PHILA. PLAIN CITY	PLAIN CITY ROCKFORD OREGONIA WOOSTER	MOOSTER MEST SALEM DALTON WEST SALEM APPLE CREEK	WOOSTER WOOSTER DALTON WEST SALEM BURBANK
ADDR	ROUTE 1 ROUTE 2 ROUTE 2 ROUTE 5 ROUTE 1	ROUTE 2 ROUTE 1 ROUTE 2	ROUTE 2 ROUTE 5 ROUTE 2 ROUTE 1	7070 NICKLE PLATE 7136 DAKHILL AVE 16035 LOUISVILLE 7730 STATE ST. 7700 MUDBROOK N.W.	2504 BRUMBAUGH ST. 3567PARKS AVE N.E. 4788 WALES AVE NW ROUTE 2 ROUTE 2	RGUTE 1 BOX 202 ROUTE 2 ROUTE 1	% WM CONKLIN RT 3 ROUTE 2 ROUTE 1 ROUTE 2 WEST LINCOLN WAY	RT.6,T.E.SILVER ROUTE 1 ROUTE 2 ROUTE 2 ROUTE 1	ROUTE 5 ROUTE 2 ROUTE 1 ROUTE 1
NAME OF OWNER	JOSEPH HUNN CEDARBROOK FARMS INC. KAROY FARMS HARVEY KING & FAMILY JAMES M HUNT	MARION KELBLEY H.EJ. DAMSCHRODER FLAT ROCK CHILDNS HME RAYMOND SMITH C FRANKART, F DILLON	R C WALTERS & SON MAURICE BELL PATRICK H. HOYING TRIO FARMS, INC.	ELGENDALE FARMS R. FLOYD PARRISH KENNETH W. GRIMES JAMES SCHWALL BRUCE CRISSINGER	APPLE ACRES FARM RALPH LAUTZENHEISER WINDWARD FARMS RT 3 EVERETT DEVINESSONS KENNETH N BROWN	GELBKE BROTHERS CHARLES HALL VAUGHN SUNBURY CARL E FINTON E.C. RAUSCH AND SONS	H.CONKLIN & SONS, INC G.H.KRANER SAN MAR GALE FARMS THOMAS O BRUCH MYHRANTZ BROTHERS	SILVER ACRES DONALD E. HOWMAN KENNETH RENNER STARVIEW DAIRY FARM CLIFF EMERSON	L O GILMORE JOSEPH HARTZLER RUSSEL JOHNSON FLOYD J. MCKEAL R.H. & MARLENE WISE
HERD CODE	31680040 31709028 31709300 31729017 31720020	31740002 31749044 31749045 31740060	31740735 31750016 31750040 31750385 31750560	31769004 31760005 31769049 31769054 31760087	31769425 31769513 31760835 31780029	31789336 31780348 31789744 31790210	31809058 31819010 31839026 31859055 31859067	31859069 31859097 31859105 31850108 31859187	31859238 31859272 31850374 31859465 31859465

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ADDRESS OF OWNER	BRYAN MONTPELIER PERRYSBURG CYGNET MORRAL	WHARTON HARPSTER DECATUR BERNE JAMESTOWN LEBANON ROYAL CENTER TWELVE MILE JEFFERSONVILLE	YORKTOWN DALEVILLE YORKTOWN FERDINAND ELKHART BREMEN GOSHEN GOSHEN WAKARUSA MILLERSBURG	GOSHEN MIDDLEBURY ROCHESTER ROCHESTER KEWANNA ROCHESTER NEW PALESTINE GREENFIELD NORTH SALEM	MIDDLETOWN MOORELAND MOORELAND BLOUNTSVILLE NEW CASTLE PORTLAND PENNVILLE PIERCETON SHIPSHEWANA HUDSON
ADC	ROUTE 2 ROUTE 1 RURAL ROUTE RURAL ROUTE ROUTE 1	ROUTE 1 ROUTE 2 ROUTE 1 ROUTE 2 ROUTE 2 ROUTE 1 ROUTE 1	ROUTE 1 ROUTE 2 \$AL KRAMPE,SUPT ROUTE 3,80X 340 ROUTE 2 ROUTE 3 ROUTE 3 ROUTE 1 ROUTE 1	ROUTE 3 80X 171 ROUTE 1 ROUTE 2 ROUTE 2 ROUTE 2 ROUTE 3 80X 124 ROUTE 1 ROUTE 1 ROUTE 1 ROUTE 1	ROUTE 2 ROUTE 1 ROUTE 1 ROUTE 4 ROUTE 2 ROUTE 2 ROUTE 1 ROUTE 1 ROUTE 1
NAME OF OWNER	OBERLIN BROS WILLIS BIBLE JOHN KURFESS AND SON GLENN SHAFFERGSONS JUDY PENDERGAST	GLENN F ALTVATER ARTHUR MAWER RAYMOND BECHER JR IVAN STEURY L K BRINDLE & SON A. N. WILEY & SON HARRY & JAMES BRIDGE RONALD DILLMAN MR.MRS.J.S.DELLINGER ARTHUR LIPSCOMB	BRACKEN & LIZAR R. W. GODWIN & SONS JACKSON & HENSLEY FERDINAND CONVENT EBY BROS. & J.H.COOK GERMANN BRUTHERS PAUL HOOVER M.MORNINGSTAR SRH LEWIS K. MARTIN & SON MYRON C. SHORT	OSCAR R. WEAVER ALLEN YODER JR RICHARD J BROWN DELBERT HUNTER MILLER & HIZER H. & K. WARNER W.DEWITTEFAMILY ALSON TURNER BLACK & DUNN STEVENSON & WALTER	WARREN BULLOCK & SONS HAROLD HOUSER & SONS CHARLES JAMES ALVIN & VIRGIL OXLEY W.STAMPERJR.&WILLIAMS EVERETT LONGERBONE THE PEN WILL FARM LELAND & EDITH OSBORN SYLVESTER HAARER KENNETH PERKINS
HERD CODE	31869051 31860100 31870017 31879018 31880004	31880090 31880630 32010043 32019764 32060040 32060903 32099062 32099162 32150480	32180041 32180282 32180410 32190240 32200215 32209321 32209333 32209534 32209534	32209922 32209962 32250040 32250325 32250553 32250901 32300160 32300820 32329760	32339048 32330320 32330411 32330620 32330765 32389482 32380652 32440325 32440325

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ADDRESS OF DWNER	HOWE TOPEKA LOWELL LOWELL LAPORTE	LAPORTE LAPORTE BREMEN PLYMOUTH BREMEN	BREMEN WALKERTON CULVER INDIANAPOLIS GOSPORT	WAWAKA TOPIKA KENDALLVILLE KIMMELL KENDALLVILLE	ALBION ORLEANS KOUTS MISHAWAKA NEEDHAM	BATTLE GROUND N.MANCHESTER RICHMOND GREENSFORK PONETO	BLUFFTON SOUTH WHITLEY QUINCY POCAHONTAS GREENVILLE	GREENVILLE GARDEN PRAIRIE BELVIDERE POPLAR GROVE GARDEN PRAIRIE	TISKILWA MT CARROLE SHANNON CHAMPAIGN RANTOUL
ADDRE	ROUTE 1 ROUTE 2 ROUTE 2 BOX 40 ROUTE 2 BOX 177	ROUTE 2 ROUTE 2 ROUTE 2 ROUTE 1	ROUTE 1, BOX 183 J.DOLPH ROUTE 1 ROUTE 2,BOX 21 ROUTE 2 BOX 380 ROUTE 2	ROUTE 1 825 S MAIN ST ROUTE 1 ROUTE 2	%A-F-HOWARD CT.AG. %JIM BURRELL, RT.3 RUJE 1 63200MADISON TRAIL RUJE 1	ROUTE 1 %R. SKINNER RT.1 ROUTE 1 ROUTE 1	ROUTE 1 ROUTE 2 RR 2 RR 5	RR 1 RR 1 RR 1	RR 1 RR 1 RR 3
NAME OF OWNER	MAURICE WOODWORTH WILLARD YODER CARLTON EBERT & SONS OTTO SCHWEITZER JOSEPH FLITTER	ROBERT A NELSON OSBORN WILKINSON DIETRICH FM.ER.STANER VERNON FLOSENZIER ERNEST HAHN	MELVIN L.HOCHSTETLER MILLER & DOLPH % JOHN A. NEWMAN & SONS CM BOTTEMA JR. MR.&MRS. H.T.SWEATT	CHAS.T.HOSFORDESONS PERRY LAMBRIGHT CLAUDE LANE JAMES & HAL STUMP GALEN SWOGGER	STUCKMAN BROTHERS JOHN & JIM BURRELL EUGENE SINN CARL TRIPPEL & SON CHESTER & MARTHA LAM	JOHN C. REDDING MARK MANSFIELD RICHMOND ST.HOSP CHAS.EHAROLD ROUTSON ELDON CARNES & SON	DEAN AND ROBERT ROE METZGER BROTHERS JOHN ALISON HOMER DOLL WILLIAM SCHRAGE	HARRY TURLEY AND SON BRGWN AND TED SCHMIDT LOUIS POEHLS FRANCIS SIMERL EDWIN WALBERG	JOHN COHRS JR JUDSON J GROVE LAWRENCE WOESSNER DON DEAN
HERD CODE	32440901 32449963 32450103 32459768 32460241	32469590 32469901 32500161 32509241 32509233	32509333 32500530 32509592 32550041 32550763	32570320 32570452 32570480 32570763	32570769 32590041 32649762 32710820 32739480	32790710 32859530 32890712 32890714 32900100	32900713 32929531 33010110 33020211	33020740 33030518 33030617 33030712	33050171 33070313 33070841 33099211

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ADDRESS OF OWNER	GIFFORD OWANECO NOKOMIS WEST YORK CARLYLE	CARLYLE GERMANTOWN HIGHLAND HINCKLEY SYCAMORE	KINGSTON MAPLE PARK WHEATON PLAINFIELD ELGIN	DUNDEE ALBION SHUMWAY BEECHER CITY EDGEWOOD	NEOGA CANTON FARMINGTON MORRIS	MORRIS GARDNER CISSNA PARK CISSNA PARK	GILMAN ONARGA CISSNA PARK CISSNA PARK DESOTO	JONESBORD GREENFIELD JERSEYVILLE JERSEYVILLE STOCKTON	STOCKTON STOCKTON ELIZABETH GENDA HAMPSHIRE
ADDE	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	RR 5 RR 1 RR 1	RR 1 RR 1 RR 1 RR 1 BCX 244	RR 1 BOX 578	RR 1 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	301 LIBERTY STREET RR 1 RR 1		RR 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	RR 3 RR 2 RR 1
NAME OF OWNER	R A HESTERBERG AND SONS DON LARGE ORLO RUPPERT AND SONS JESSE TUTTLE AND SON CLINTON BECKEMEYER	LAVERNE JENNE ALPHONSE MUELLER RAYMOND WEINHEIMERER BASTIAN BROTHERS FISK AND KEYS	V MYELLE AND SWANSON BRO SCHUMACHER BROTHERS BENDER BROS W F CLOW AND C A DURRAN ROLLING ACRES FARM	HARGLD SCHURING HELEN METCALF KENNETH D ARNOLD HANS L KOLLINGER HAROLD QUADE	FOSTER WALK L D BARNARD A SNYDER AND SONS FRED BENSON AND SONS LEONARD BOLS	ARTHUR F HORNSBY TRIANGLE FARM RAYMOND EISENMANN ROBERT KAUFMAN RICHARD MUEHLING	KARL A MEYER JOE O NUEKOMM AND SON CHARLES SAILOR PHIL AND CURT SAUDER LAVERN DIETZ	HOWARD DAVIE MRS ALMA PROUGH FRED SCHNEIDER WILLIAM TRACY O F ARNOLD	ORA FRAZIER AND SON DUANE AND ADOLPH KUPERSM HARLAN E REUSCH JOE EINWICH WILBERT HEINRICH
HERD CODE	33090347 33100470 33100671 33110740	33130410 33130512 33136841 33160142	33180518 33180711 33210142 33210172	33210715 33230511 33240111 33240441	33240841 33280140 33280715 33310140	33310342 33310440 33360240 33360441 33360512	33360516 33360540 33360710 33360724	33370213 33400613 33409711 33400740 33410110	33410270 33410441 33410671 33430240 33430351

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ADDRESS OF OWNER	DUNDEE ELGIN MOOGEHFART	ELGIN	HAMPSHIRE ELGIN ELBURN BATAVIA HAMPSHIRE	HERSCHER WILMINGTON BUCKINGHAM GRANT PARK MANTENO	GRANT PARK HERSCHER MANTEND SHERIDAN OSWEGO	RIO ADAIR ALIONA FARMINGTON CAMBRIDGE	GRAYSLAKE PRAIRIE VIEW GRAYSLAKE MUNDELEIN WAUKEGON	LA SALLE SANDWICH SENECA LEE DIXON	DWIGHT CORNELL CHATSWORTH FAIRBURY FAIRBURY	FAIRBURY STREATOR CHENDA CHESTNUT
ADD	RR 1 BCX 64	RR 2 BCX 266 RR 2 BCX 269	RK 1 BCX 143 RR 2 BCX 254 RR 1 RR 1 RR 1 BCX 402 RR 1	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	RR 1 RR 1 RR 1 BCX 103	RR 1 RR 1	RR 1 BCX 16 BOX 38 RR 1 BOX 54 RR 2 BOX 238 RR 3 BCX 417	530 STH STREET RR 1 RR 1 RR 4 PRAIRIE TRAIL	RR 1 RR 1 RR 1	RR 2 RR 2 RR 1
NAME OF OWNER	HARTMAN BLDG CORP KILLYBRACKEN FARM MODGEHEART FARM	RUBERT MILLER JOHN NEPERMANN	REINKING AND KENYON I N AND RAYMOND RUSSELL JAMES COLLINS AND MORRIS BLITHE BIT FARM ERLING SONJU	WILLARD DICKMAN GOGDWIN BROS E A HENDRIX HERMAN JUNKER WILBURT JACOBS	GILBERT OHM AND SON PERRY CHRISTOPHER ALFRED SHIPP DAVE & DAN CHRISTOPHERSON J GEORGE SMITH	GWEN CARLSON ELDON DILWORTH RAY JOHNSTON A SNYDER AND SONS STEFFEN BROS	GELATIN CO FARM GEURGE LEIKAM WALTER RONEY DOUGLAS SHANKS FLEMING DICE AND STILES	F B ALLEMAN FRITZ WERNER AND GLETTY CLARENCE HENRY ROY BREEZE AND SONS RONALD DEWEY AND DYSART	L GRIEFF KELLY AND CASPARDO FRED KYBURZ DAN MEISS GEORGE MYERS	ALTON SCHIELER AND SONS GLEN AND BOYD TOMBAUGH RICHARD THOMAS HUBERT STOLL MELVIN ADDEN
HERD CODE	33430356 33430445 33430515	33430516 33430546	33430671 33430676 33430710 33430711	33440213 33440310 33440340 33440411	33440570 33440571 33440711 33450172	33460170 33460213 33460410 33460714	33470310 33470473 33470675 33470712	33480110 33480311 33480342 33500140	33510311 33510312 33510443 33510513	33510718 33510742 33510745 33520713 33540111

NAME OF DWNER

HERD CODE

ADDRESS OF DWNER

22222	22223	11111	======	11111		======	=====	2222
WAGGONER ALHAMBRA HIGHLAND ALHAMBRA HIGHLAND	BRIMFIELD PECRIA VARNA ALGONQUIN HUNTLEY	MCHENRY HARVARD WOODSTOCK MARENGO	MDDDSTOCK MCHENRY HUNTLEY HEBRON RINGWOOD	HARVARD CRYSTAL LAKE ALGONQUIN WOODSTOCK RICHMOND	HEBRON MCHENRY CRYSTAL LAKE RICHMOND MCHENRY	CRYSTAL LAKE MCHENRY WBODSTOCK HUNTLEY HARVARD	CRYSTAL LAKE BLOOMINGTON BLOOMINGTON NORMAL CARLOCK	SAYBROOK WATERLOO LOVINGTON HAMMOND MT MORRIS
RR 2 RR 2 RR 1	RR 2 RR 3 RR 1 BCX 80 % ARNOLD BLOCHORN	4614 N PIONEER RD RR 3 11006 RR 120 RR 1 CARMACK RD RR 1 18302 COLLINS	7920 MASON HILL RD 1205 S ROUTE 31 RR 1 10206 JOHNSON ROAD 4906 WEST RINGWOOD	RR 1 RR 2 MILLER RRI BX63 HUNTLEY AVE 10210 RR 14 8520 N SOLON ROAD	13811 NICHOLS ROAD 1708 SOUTH BARREVI RR 1 BCX 500 OAK 8710 ROUTE 173 RD 2707 N CHAPEL HILL	RR 2 BOX 386A 711 SOUTH ROUTE 31 3810 DOTY ROAD RR 1 HUNTLEY RR 1 BOX 115	RR 1 BOX 441 RR 1 RR 4 RR 1 RR 1	RR 2 RR 8 RR 1
A L AND R L RHINE CLARENCE BECKER HAROLD AND CARL BAUMANN WILBUR FEDERER LELAND STEINER	HOWARD J GILLIS FRED ROSENBOHM CAKL F SCHOEPKE AND SON WAWDA BOGGS AND LINDGREN CLANYARD FARM 1	CARTWRIGHT AND HOLCOMB WM DAVIDSON & SCNS IRVING EPPEL EDWARD A FLORENT AND SON THOMAS & DARLENE HILL	J'HANRAHAN HETTLER AND WISSELL LEE HENNIG LAWRENCE JÜHNSON HAROLD L JEPSON	EDGAR KIRCHHOFF RUDGLPH KOENIG JR MAR RAL FARM MOO MEADOWS FARM DON MAJGRS	RALPH NICHOLS AND SON UAK HILLS FARM RALPH RUDSINSKI JACK REHORST FRANCIS SCHMITT	IVAN & JOAN HILL HAROLD STILLING GLENN WRIGHT W H WILLIAMS WARNKE BROS	WINDY KNOLL FARM GLENN GOLDEN WALTER LAY AND SONS FLOYD MOHR HENRY WIEGAND	RICHARD YOUNG AND SONS ERWIN SCHEWE H P BICKNELL RAYMOND F BEERY AND SONS MYRON BABLER
33559142 33559142 33550145 33550270	33570310 33570670 33570710 33610145	33610183 33610220 33610240 33610279	33610353 33610359 33610366 33610414 33610418	33616444 33610449 33610510 33610513	33610541 33610579 33610678 33610681 33610712	33610716 33610735 33610853 33610858 33610864	33610867 33620170 33620475 33620516 33620843	33620912 33650710 33689140 33680147

	11111	11111	11111	11111	11111	11111	11111	=====	11111
SS OF DWNER	OREGON OREGON EGAN POLO OREGON	OREGON OREGON POLO FORRESTON HANNA CITY	CHESTER STEELEVILLE TOULON WYOMING TOULON	PRINCVILLE ANAWAN DAKOTA FREEPORT	ROCK CITY FREEPORT FREEPORT ORANGEVILLE LENA	RED OAK PEARL CITY DAKOTA FREEPORT DAKOTA	LENA FREEPORT MCCONNELL FREEPORT WINSLOW	DAKOTA DAKOTA PEKIN WASHINGTON FOREST CITY	TREMONT TREMONT TREMONT MORTON UNI OF ILL URBANA
ADDRESS					<i>;</i>				215 ANIMAL SC
	RR RR RR 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 8 3 2 2 8 3 2 2 8 3 2 2 8 3 2 2 2 2	RR 2 RR 1 RR 1	RR 1 RR 1 RR 1 RR 1	R R R R R R R R R R R R R R R R R R R	RR1 RR 4 RR 1 RR 2	R R R R R R R R R R R R R R R R R R R	RR RR 2 RR 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R R R R R R R R R R R R R R R R R R R	RR 1 RR 1 RR 1 RR 1
NAME OF OWNER	C H TAYLOR AND FEARER E H HUGHES SINNISSIPPI 3 WILLIAM JONES JOHN REID HENRY, A JOHNSON	G RASMUSSEN SINNISSIPPI SINNISSIPPI FARM 1 E S THOMAS AND W C HARE ART AND DENNIS WUBBENA JOHN STEVENS	GOTTFRIED KIPP AND SON ROSELANE FARMS MARTIN ANDERSON JOHN A HICKEY ROBERT AND RANDALL REED	DANA STEWART RICHARD C WELLS WILLIAM ANGLE JR ROY BENNETHUM FRED OBERT	JOHN E BABLER BONEBRIGHT AND HUTMACHER MORRIS FIREBAUGH MERLEN FERNSTAEDT MRS JANE SULLIVAN	JEPSON AND MCWERS SAM KLOEPPING WAYNE YEOMAN AND KRAMER RUSSELL KORTH IVAN AND LOY MCCAULEY	VERNON & DAVE MACOMBER HARRY PIEPER LYNDON D PITTS WM J MCGURK ROBERT AND HAROLD WILD	DONALD AND MERRILL WELLI GLEN YEOMAN JESSE FLIER KALPH MULLER AND SON ALVIN PFEIFFER AND SON	ALVIN AND GLENN PAPENHOU LEROY SAUDER J C SCHWEIGERT AND SON GOTTHOLD TANNER MARTIN SCHULTZ
HERD CODE	33690272 33690344 33690410 33690671	33690676 33690716 33690740 33690846	33790440 33790672 33850111 33850343	33859710 33869110 33869110 33869145	33860153 33860157 33860279 33860280	33860412 33860443 33860445 33860449	33860612 33860614 33860619 33860710	33860841 33860910 33870340 33870516 33870614	33870615 33870711 33870740 33890740

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ADDRESS OF DWNER	CENTRALÍA OKAWVILLE STERLÍNG MORRÍSON ROCK FALLS	STERLING STERLING STERLING ROCK FALLS MOKENA	BEECHER JOLIET MOKENA FRANKFORT BEECHER	ELWOOD FRANKFORT BEECHER DURAND CHERRY VALLEY	EUREKA METAMORA E SAUGATUCK DORR HICKORY CORNERS	SODUS BERRIEN CENTER NILES BERRIEN CENTER EAU CLAIRE	QUINCY UNION CITY SHERWOCD OLIVET NILES	DECATUR CLARE ELSIE GRAND LEDGE EATON RAPIDS	SWARTZ CREEK ITHACA MIDDLETON NORTH ADAMS JONESVILLE
ADCR	BOX 95 RR 1 RR 3 LAKEVALE FARM RR 2 RR 2	RR 1 RR 2 RR 2 RR 2	LARAWAY ROAD RR 1 RR 2	RR 1	RR 2 RR R D 1 R F D 1 R F D 1	R R R R R R R R R R G D S S S S S S S S S S S S S S S S S S	R F D 2 R F D 2 R F D 1 R F D 3 BOX 78	R F D 3 RFD 2 BEVERTON RD R F D 3 R F D 3 R F D 4	BRISTOL RD R F D 3 R F C R F C
NAME OF DWNER	DR H E SNOW ALFRED UNVERFEHRT FRANKFOTHER AND ERISMAN ELMER H HABBEN HOWARD JANSSEN	LEGNARD LONG AND LONG L S REAVLEY AND BURCH KENNETH MIATKE AND WARD WARD AND CLYDE SMITH WH BERNARD AND SONS	ARNOLD BRANDS AND SON JOE EICH IRVIN HOLM DALE KRATZENBERG RALPH PETERS	JULIUS SEWING AND SON VALY AND HOMERDING FRED VON ALVEN GEURGE MOATE M NEWHAUSEN AND BLOMBERG	LOREN G HODEL KENNETH WORNER JOHN BOUWMAN HERMAN VANBELKUM & SON LOCKSHORE FARMS	JOHN STUMP BUD BRUCE & SONS CLARENCE VILLWOCK & SONS HUDSON BROTHERS 2 GEURGE WESNER	HAROLD SHOOK DEWANE ACMOODY OLE TUNDENOLD LAKE & PIEPKOW HILL & MILTENBERGER	JOE C WESTPHAL HOWARD PENROSE DUANE & VELMAR D GREEN ED DELAMATER DELOS SKINNER & SON	CREAMLINE DAIRY MELVIN L M FITZPATRICK DEAN SHERRICK P J WELLS & SON A N & KEITH BROWN
HERD CODE	33920711 33926775 33950278 33950342 33950414	33950480 33950670 33950715 33950841	33960147 33960241 33960342 33960444 33960611	33960711 33960810 33969812 33980514 33980545	33990340 33990842 34030013 34030148	34110005 34110027 34110037 34110051 34110104	34120013 34120035 34130005 34130005	34140058 34180002 34190018 34190106 34230204	34250072 34290029 34290057 34300004

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ADDRESS OF OWNER	ELKTON PIGEON CASS CITY EAST LANSING GNONDAGA	WEBBERVILLE WILLIAMSTON SHEPHERD WEIDMAN BROOKLYN KALAMAZOO KALAMAZOO HICKORY CORNERS	SPARTA KENT CITY BYRON CENTER BROWN CITY CLAYTON	MORENCI FOWLERVILLE GREGORY HOWELL FOWLERVILLE	RICHMOND ROMEO SCOTTVILLE LUDINGTON	SCUINILLE REMUS REMUS FREELAND ERIE	OTTAWA LAKE MONROE MONROE GREENVILLE GREENVILLE	GREENVILLE MONTAGUE CONKLIN RAVENNA
ADDRE	4317 PEGION RD R F D R F D 1 BOX 166 R F D 1	R F D R F D 3 R F D 1 R F D 2 R F D 3 10040 W MICHIGAN R F D 1	R F D 1 BARBER CREEK RD 1245 60 ST RFD 2 R F D TERREHAVEN FARMS	ROUTE 3 R F D 3 R F D 4 R F D 1 7480 37 MILE RD	400 440 2	K	STERNS RD R F D 2 9180 S CUSTER R F D 2 R F D 3	R F D 1 RT 1 R F D 2 SQUIRES RD R F D
NAME OF OWNER	H L HEWITT & SONS HERD I E T LEIPPRANDT & SONS FRED & LELA MILLIGAN M S U DAIRY DEPT CHARLES DAVIS	ARY JO LA FAR NCENT AMAN G B DUNB E K IR K KELL CHLAND	NORM BRADFORD WYLIE MILTON FRANK ALVINA MANSHAEM HENRY FORD & P DOHERTY PIEKRE PALPANT & SON	SPRAGUE & HOLLSTEIN RALPH & MARY ROSE GLENN HANSON MARY T SMITH GEURGE ROBB HOUGH ORCHARDS	∞	KICHAKU IHUKUM SK HATFIELD FARMS ALVIN MOORE USBERN THURLOW NORMAN SPOTTS	CARL BALSAM DOTY BROTHERS ROBERT MATHES TOWN BROTHERS FREDRICK OLSEN	MART J LUTTERLOH CLAIRE W NELSON WALLACE WAGNER HARLEY HINKLEY
HERD CODE	34320019 34320024 34330025 34330002	34330160 34330309 34370062 34370065 34380213 34390004 34390014 34390042	3441003 34410024 34410108 3446003 34460067	34460189 34470004 34470024 34470030 34470055	34490047 34490076 34530008 34530010	34540001 34540001 34560005 34580008	34580016 34580028 34580043 34590004 34590040	34590100 34610001 34610012 34610078

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ADDRESS OF DWNER	MILFORD REED CITY JENESON BYRON CENTER BYRON CENTER	HUDSONVILLE ZEELAND HEMLOCK HEMLOCK	OVID PERRY ELSIE CONSTANTINE MENDON	VASSAR DECATUR SOUTH HAVEN CLINTON ANN ARBOR	SALINE NORTHVILLE NORTHVILLE COMSTOCK CUMBERLAND	GREEN BAY GREEN BAY WEST DE PERE GREENLEAF DE PERE	DE PERE GREEN BAY ALMA MONDOVI	MALONE COLFAX NEILLSVILLE COLUMBUS WYGCENA	COLUMBUS COLUMBUS LODI FALL RIVER COLUMBUS
ADDR	5690 CEDAR ISLAND R F D R F D R F D R F D R F D	R F D 2 ROUTE 1 RT 1 R F D 2 RT 1	R R F D 2 R F D 13 R F D 13	R F D 2 R F D 2 R F D 1 16429 VAN TYLE RD 6800 SCID CHURCH	4620 WILLOW RD 16000 SHELDON RD	ROUTE 1 ROUTE 2 868 E ST FRANCIS	ROUTE 2 812 MT MARY DR ROUTE 1	ROUTE 3 ROUTE 3	ROUTE 3 ROUTE 3 ROUTE 1
NAME OF DWNER	WM H BUELL J PATTERSON & SCNS HAROLD JENISON & SONS HILBERT HOLLEMAN DONALD KAMPS	ALBERT TERHAAR JR JOHANNES BOSCH & SON WARREN WATSON EDWIN H GOODMAN	JOHN VANIMAN JR NDRMA & R T PEACOCK CHARLES J KRIDNER GUY R JOHNSON EUGENE SCHMIDT	RONALD OPPERMAN FAX TONEY & SONS KEMP & HELEN FRITSCHE THOMAS CARLTON ELTON FREY	DAVID GORDON ROBERT HAASS WAYNE CO TRAINING SCHOOL TORGERSON TED RIEBE ROY E	GROWN CO HOSPITAL WIS STATE REFORMATORY ZITTLOW ED & DON NATZKE AMOS DAVIS M E JR	HUTJENS ANTHONY SCHMITT JOHN H HANSON HENRY O MARKS HARRY CIT SILAS L AND SON	SATTLER HOWARD JENSEN BROTHERS APPLEYARD MELVIN AUSTIN AND SCHULTZ COLUMBIA CO HOSPITAL	LANG WAYNE LEWKE CARL UNKE IVAN WATERWORTH RUSSELL WRIGHT LESLIE & WAYNE
HERD CODE	34630134 34670001 34700020 34700069	34700088 34700186 34730003 34730008	34760019 34760032 34760084 34780004 34780014	34790102 34800008 34800035 34810017 34810064	34820004 34820004 34820006 35060052 35060127	35080005 35089013 35080017 35089033 35089063	35080068 35080080 35090008 35090020	35100074 35110081 35120057 35130005 35130008	35130011 35130012 35130016 35130018

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ADDRESS OF OWNER	FALL RIVER FALL RIVER COLUMBUS LODI COLUMBUS	COLUMBUS COLUMBUS COLUMBUS DALTON FALL RIVER	PORTAGE MADISON OREGON WAUNAKEE MARSHALL	WATERLOO MARSHALL MT HOREB VERONA EDGERTON	VERDNA STOUGHTON COTTAGE GROVE WATERTOWN	WATERLOO MAYVILLE BROWNSVILLE JUNEAU LOMIRA	JUNEAU LOMIRA BEAVER DAM JUNEAU BEAVER DAM	HORICON JUNEAU RUBICON BROWNSVILLE MAYVILLE	HARTFORD WAUFUN BEAVER DAM JUNEAU WATERTOWN
	ROUTE 1 ROUTE 1	ROUTE 3 ROUTE 1 ROUTE 1	ROUTE 2 4765 VERONA RD ROUTE 1 ROUTE 2	BARRY FOX	ROUTE 7	ROUTE 1 ROUTE 2 ROUTE 1	ROUTE 1	ROUTE 1 ROUTE 1 ROUTE 3	ROUTE 1 ROUTE 1 ROUTE 1
NAME OF DWNER	WATERWORTH WILLIS FREDERICK & BITTNER DAMM REUBEN AND SON COBBS HAROLD PREMO ROSCOE	SENNHENN LEGNARD WEINER DON & ART WEILAND ELMER & SONS HABERKORN A AND SONS PATTON AND FREDRICK	UWEN JOHN WIS UTILITIES ASSOC ROWE ED AND SONS MELL JOHN & DAVID WADDELL TED	FOXACRES INC DETERT CHARLES JR WIEST RAY DANE CO FARM SHOWER FREDERICK A	ONSRUD OTIS AND ALICE HOUKS EVERETT UBBELOHDE AND UPHOFF MC FARLAND DAVE BOETCHER ED	BUSS ERWIN VILLWOCK VICTOR KEMMEL JERALD F NEHLS WILLARD FARM 2 HESPRICH JOHN	NEHLS WILLARD FARM I PADE ALBERT & WES KURTZ AND KUEHL PAGEL L BUDDE RICHARD	PAUTZ DSCAR & SON FEHLING IRWIN TROELLER ARTHUR KRUG MAYLAND	GUNST LELAND VANDE ZANDE LAUREN PROPST OLIVER NEIS JOE CLAAS SYLVESTER
HERD CODE	35130024 35130030 35130031 35130032 35130033	35130034 35130035 35130037 35130039 35130046	35130050 35150014 35150016 35150038 35150038	35150053 35150056 35150087 35150120 35150138	35150209 35150212 35150218 35170002 35170014	35170041 35170041 35170045 35170049 35170052	35170053 35170056 35170061 35170065 35170069	35170090 35170101 35170103 35170132 35170155	35170157 35170163 35170180 35170194 35170197

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ADDRESS OF OWNER	WATERTOWN JUNEAU LOMIRA COLUMBUS STURGEON BAY	BRUSSELS ELK MOUND CLEAR LAKE MENDMONIE ELK MOUND	OSSEO ROSENDALE MT CALVARY ROSENDALE ROSENDALE	BRANCON RIPON RIPON FOND DU LAC BROWNSVILLE	GAKFIELD FOND DU LAC FOND DU LAC FAIRWATER RIPON	FOND DU LAC FOND DU LAC ST CLOUD RIPON ELDORADO	EDEN SOUTH BYRON ROSENDALE FOND DU LAC CAMPBELLSPORT	LIVINGSTON PRAIRIE DU CHIEN BOSCOBEL MT HOPE CUBA CITY	BRODHEAD MONROE MONTICELLO MONROE MONROE
	ROUTE 1 ROUTE 2 ROUTE 2	ROUTE 1 ROUTE 2 ROUTE 2	ROUTE 1 ROUTE 1	ROUTE 1 BOX 168 ROUTE 3 ROUTE 2 ROUTE 1	ROUTE 1 ROUTE 3 19 EASTGATE PL ROUTE 1 ROUTE 1	ROUTE 3 ROUTE 1 ROUTE 1 ROUTE 1	ROUTE 1 ROUTE 2	ROUTE 2	ROUTE 2 ROUTE 2 ROUTE 2
NAME OF DWNER	HOLZ ROY HILDEBRANDT GENE LAU RUBEN SETZ BERNARD AND E OLSON DONALD	GUILETTE N & L QUILLING ALVIN & GLEN THATCHER LESTER DIX HARRY & SON STALLMAN BROTHERS	BROWN LEGNARD AND SON GROSSE IVAN WAGNER EDWARD PETERSON C A EST GILLETT DONALD	WILSIE WALTER RYDER LEON HAMMEN EARL FOND DU LAC CO HOSP BIRD ROBERT A	SCHNEIDER AND SMITH KELLY ELMER SCOTT F & FORESTER W BERNDT ERICH BADTKE ARNOLD	BOYKE CLARENCE HAGEMAN HAROLD & SON TWOHIG ROBERT & LEO ZOBEL AND GRAHN RICKERT DONALD	ROSE DAVID ZINKE ALFRED BECK O & HUTCHINSON NETT LEO JAEGER CLARENCE	BOURRET CLIFFORD FINN CHAS FRANKENHOFF KENNETH NICHOLS MARK CURTIS EARL & SONS	STUESSY ROBERT E DETTWILER GILBERT ELMER OTTO AND SON RUFI JOHN BAUMGARTNER P AND W
HERD CODE	35170204 35170206 35170208 35170219 35180034	35180038 35210003 35210020 35210046 35230013	35230041 35240023 35240024 35240034	35240043 35249050 35240051 35240060	35240067 35240073 35240084 35240109	35240127 35240137 35240144 35240145	35240162 35240162 35240165 35240167 35240178	35250013 35250022 35259033 35250054 35250055	35260019 35260028 35260032 35269038 35260042

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ADDRESS OF OWNER	LENA KINELSWORTH BRODHEAD RIPON RIPON	PRINCETON MARKESAN MARKESAN CAMBRIA MARKESAN	DALTON MINERAL POINT BARNEVELD LINDEN DODGEVILLE	RIDGEWAY ALMA CENTER HIXTON MELROSE HIXTON	ALMA CENTER MELROSE FORT ATKINSON IXONIA FORT ATKINSON	IXONIA MATERTOWN LAKE MILLS MATERTOWN LAKE MILLS	WATERTOWN MATERLOO WATERLOO WATERLOO	ROCHESTER BRISTOL FRANKSVILLE UNION GROVE	SALEM SALEM EAST TROY BURLINGTON LA CROSSE
	425 SHERIDAN ROUTE 2 ROUTE 2	ROUTE 1 ARDEN HENSLIN ROUTE 2 ROUTE 2			ROUTE 2 E SWARTHOUT ROUTE 1 ROUTE 1	ROUTE 3 ROUTE 4 E BLAINE JR EXP	ROUTE 3 ROUTE 6 ROUTE 1 ROUTE 2 ROUTE 2	ROUTE 2 ROUTE 2	RT 2 BOX 233 ROUTE 2 ROUTE 2 ROUTE 1
NAME OF OWNER	PITTS L D MEYTHALER ROBERT J REUTER ROBERT GRUSCZYNSKI EDWARD HOCKENHULL JOHN	KASIERSKI LEROY BERG AND HENSLIN WEGNER CLARENCE H JAHNS IRWIN E , PROCHNOW BEN & HULL G	HARTWIG CARL GEVELINGER JOHN & JOE THOMPSON HARLAND RULE RONALD MEUDT ROBERT	STALEY IVAN C GEARING G E E R DETTINGER STANLEY PFAFF WALLACE MOSELEY ROBERT	GALSTER EVERETT L HELLER FRANCIS JR & BEANE CRAIG JAEGER BROS GLOVER FARMS	CHAPEL HILL FARM BEGGAN OLIVER KRULL FARMS PIPER BROTHERS UNIV OF WISCONSIN	RABENHORST H GLEN GULYAS FRANK RIEDL GERALD SCHUETT GILMER BATTIST FARMS	ELA & PEPER LOTHE DR HERBERT GROVE DONALD RECK PAUL NELSON HARVEY & SONS	RECK WARREN SCHMIDT EDWARD MILLER GLEN V NORTH HARRY MILLER HOLSTEIN FARMS
HERD CODE	35260122 35260193 35260203 35270009 35270029	35270043 35270045 35270075 35270077 35270080	35270083 35280003 35280008 35280032 35280040	35280101 35310004 35310014 35310022 35310027	35310038 35310039 35320065 35320070 35320074	35320079 35320080 35320081 35320084 35320085	35320087 35320117 35320133 35320176 35320206	35340012 35340032 35340065 35340091 35340092	35340139 35340151 35340189 35340193 35360007

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ADDRESS OF DWNER	ONALASKA BANGOR ONALASKA DODGEVILLE HAZEL GREEN	VALDERS MANITOWOC CATO ST NAZIANZ MANITOWOC	WAUSAU COLBY Marathon Sparta	SPARTA SPARTA WEST DE PERE NEW LONDON BLACK CREEK KAUKAUNA MILWAUKEE 23	CEDARBURG THIENSVILLE BELDENVILLE	RICHLAND CENTER VIOLA YUBA MUSCODA BELOIT 1	ORFORDVILLE ORFORDVILLE EVANSVILLE BROOKLYN REEDSBURG	LOGANVILLE PRAIRIE DU SAC PRAIRIE DU SAC LOGANVILLE BARABOO	LOGANVILLE NEW LISBON ELROY FRIENDSHIP BARABOO
AC	KAYBUD FARM FARM 1		ROUTE 3 ROUTE 1 ROUTE 1	ROUTE 1 ROUTE 2 ROUTE 1 ROUTE 1 ROUTE 1 8120W BR DEER	ROUTE 1 8527 W MEQUON R	ROUTE 2 ROUTE 2 ROUTE 1		GLENN WRIGHT MG	D HEGNA MGR
NAME OF OWNER	PRALLE BERNARD HOCD WAYNE SCHROEDER EDGAR BUCKINGHAM C L HARVEY AND HARVEY	m Z Z Z	WORDEN CLARENCE M BECKER WILBUR J HEIL WALTER NICHOLS FLOYD L	JACOBS ROY E SCHLAVER THEODORE GARVEY MIKE DOBBERSTEIN A W MILLER OSCAR I VER VOORT JOHN A BAUERNFEIND ELMER	CLAUSING ELMER KRUMHUS MILTON ELY MELVIN & GORDON	KELLER THERON MC KITTRICK ARLAND J SPANGLER DONALD KELLER VIRGIL WALLACE LESTER	NYMAN GLEN KEESEY KENNETH EHREDT WILBUR NELSON BROS SAUK COUNTY FARM	KRUSE E E SPRECHER HALSEY O KINDSCHI BROS GIESE KENYON MEYER WALLACE	SCHWARTZ WM & SCNS GUGDAHL HERMAN THOMPSON CLAYTON HEITMAN MRS H & SON HEATHERSTONE ENTERPR
HERD CODE	35360009 35360027 35370012 35370017	35410029 35410082 35410120 35410125 35410134	35440005 35440021 35440064 35460019	35460020 35460073 35480027 35480040 35480063	35510018 35510040 35520028	35570036 35570039 35570052 35570061 35590007	35590021 35590148 35610005 35610090 35650005	35650012 35650035 35650040 35659043 35650061	35650085 35650102 35650105 35650114 35659134

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ADDRESS OF OWNER	PLYMOUTH SHEBOYGAN VALDERS CLEVELAND CASCADE	ADELL PLYMOUTH GLENBEULAH SHEBOYGAN FALLS BALDWIN	BALDWIN RIVER FALLS NEW RICHMOND WHITEHALL GALESVILLE	ARCADIA WESTBY SOLDIERS GROVE EASTMAN ONTARIO	VIROQUA VIROQUA HILLSBORO VIROQUA ELKHORN	BURL INGTON BURL INGTON SHARON DAR JEN WALWORTH	ELKHORN WHITEWATER WEST BEND WEST BEND HARTFORD	COLGATE WEST BEND RUBICON CEDARBURG WEST BEND	WEST BEND COLGATE WEST BEND WEST BEND HARTFORD
,	ROUTE 1 ROUTE 1 ROUTE 1 ROUTE 1	ROUTE 1 ROUTE 2 ROUTE 1 ROUTE 1	RT 3 BOX 219	ROUTE 1	ARNIE SHERRY ROUTE 3	ROUTE 2 ROUTE 4 ROUTE 1 ROUTE 1	ROUTE 1 ROUTE 2 ROUTE 2 ROUTE 5	ROUTE 1 ROUTE 1 ROUTE 2 ROUTE 2	ROUTE 3 ROUTE 5 ROUTE
NAME OF OWNER	HEBB FRANCIS HIPPERMANN E C BURGWARDT WALTER E VOLAND ALDEN HELLMER GAYLORD	LAUX RALPH LAACK BROTHERS BUTLER ROBERT KLEINHANS WALLACE DOURNINK JOHN H JR	NELSON OSWALD G WIS STATE COLLEGE FM ST CROIX COUNTY FARM TREMPEALEAU CO HOSP BECKER LESLIE	HAINES BENSEL HALL LINDAHL AND SON SHERRY LAVERNE W GARVEY KAY BREIDENSTEIN BERNARD	SHERRY ORBEC AMES DALE KAHLER RAYMOND KIRKING HARVEY MEYER NORMAN	OSTVAL FARMS KOEHNKE ELMER SCHWARTZ ROBERT AMES JOHN REUTER WAYNE	NIENDORF E & F ANDERSON R L MAYHEW NANCY F SCHROEDER G & MUTH E ROHUE CYRIL	KUENZI JOHN BLANK FRANKLIN & SON BECKER LEO CLAUSING H AND SONS PHILIPPI ALBAN	WIEDMEYER THOMAS SCHMITT ANDREW PROEBER HOWARD HORLAMUS JOHN BECKER ELMER
HERD CODE	35670025 35670027 35670043 35670045	35670073 35670075 35670098 35670111 35680001	35680005 35680026 35680049 35710020	35710027 35720005 35720020 35720051 35720068	35720070 35720075 35720092 35720109	35730021 35730132 35730189 35730258 35740051	35749086 35750009 35780007 35780013	35780027 35780033 35780039 35780055	35780062 35780069 35780072 35780082

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ADDRESS OF OWNER	WAUKESHA WAUKESHA HARTLAND MERTON NORTH PRAIRIE	NORTH PRAIRIE DOUSMAN PEWAUKEE OCONOMOWOC MANAWA	WAUPACA OSHKOSH OSHKOSH OSHKOSH CSHKOSH	ARPIN MT HOREB MT HOREB VERONA WINTERSET	WAUKON MYSTIC WATERLOO BOONE SUMNER	INDEPENDENCE SHELL ROCK GREENE MANNING BREDA	CHEROKEE FREDER ICKSBURG SUMNER LUANA MCGREGOR	FARMERSBURG WOODWARD LAMONI SUMNER MAYNARD	RANDOLPH GRUNDY CENTER WELLSBURG BAGLEY ADAIR
ADD	NORTHVIEW ROAD W 256 OAKDALE	ROUTE 1 FARM 2 ROUTE 1	ROUTE 2 ROUTE 3 ROUTE 4 ROUTE 4	ROUTE 1	R R 3 R R 1 R R 1 BOX 21 RFD 2 C/O O NIEMEYER R 3	DALE HENDERSON  * DUANE SMITH  RFD 1	E NICHOLS	R R 2 R L.EE HEAVILAND AND SONS RT 1	R R 1 R R 2 ROUTE 2
NAME OF OWNER	EVANS WILLARD R WOELFEL GODFREY HAASS ROLLAND WEBER ROBERT W HOOD WALTER & ROBERT	KIPP HUBERT & FRED HASSELKUS FARMS MC KERROW GEO & SON PABST FARMS INC.	SMITH R H BRENNAND GEORGE COWAN L W & SON GRUNDY FARMS BECK HOWARD	GUDEN PHILLIP J BAKER MRS C & ELMER SUTTER ODILO GUST EDGAR DEAN E LILLIE	JOHN SIVESIND & SONS GLEN D MCNAIR DONALD M HAMER CLAIR A MUSGROVE RALPH ALBRECHI	MTL HLTH INST BOX 111 HAROLD B SUTTON ELLIS & SMITH GEORGE OPPERMAN CLARENCE LUDWIG	MENTAL HEALTH INSTITUTE ARNOLD KLEISS AND SON M MATTKE AND K SCWERS LAW AND ROBERT SCHULTZ IRVIN F MEYER AND SON	MILTON AND WILLIS MEIER JAMES R ELLIOTT AND SONS LIBERTY HOME FARM MRS WALTER C PAGEL M J LEIN AND SON	ROBERT A JARDON FRANCIS WINSLOW C A JANSSEN EVERETT RENFROW E F RICHTER
HERD CODE	35790012 35790032 35790038 35790040 35790086	35790175 35790180 35790181 35790217 35810018	35810039 35820006 35820035 35820043 35820043	35830056 35880011 35880012 35880023 42019003	42040004 42040004 42070021 42080007 42099045	42120007 42120007 42129010 42149012 42140018	42199001 42199006 42199057 42229019	42250067 42250001 42279005 42330110 42336219	42389004 42389004 42380020 42399011 42399025

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ADDRESS OF OWNER	BRITT ELDORA ALDEN NEW PROVIDENCE ELDORA	MT PLEASANT RENWICK PRAIRIE CITY REASNOR MARTELLE	MARION COGGON TAINTOR OSKALOOSA	BEAMAN MARSHALLTOWN ONAWA GRANVILLE PAULLINA	HAVELOCK NEMAHA DAVENPORT WALCOTT LE CLAIRE	WALCOTT HULE AMES TOLEDO CANTRIL	CAMBRIA GOWRIE CALLENDER DECORAH CALMAR	DECORAH OSSIAN DECORAH DECORAH CASTALIA	CLARION KANAWHA COSBY HUME GARDEN CITY
ADDRI	R R R D 2 RD 1	% DAIRY HERDSMAN	ROUTE 3 FARM 1 ACTIVE ACRES FM R2 % EVES CADWALLADER	R R 5 R 2 FREDRICH FARM	GOLDEN VALE FARM DONALD COOK RT 1 R F D 3	AND SON R R 3 %G JOE LYON R R 1	R R 1 BOX 40 R R 2 RFD	CLYDE QUANDAHL RR3 R R 1 % ROBERT SERSLAND	
NAME OF OWNER	CHARLES T MCLAUGHLIN RALPH AND LONNIE BRIGHT G CLIFTON NELSEN R R CLAMPITT AND SON CLARENCE T LANGE	MENTAL HEALTH INSTITUTE ROSE HEFTY AND SON CARL VAN HOUWELING LAWRENCE VANDERWERFF BURDETTE C HOLTHAUS	WITWER WAYSIDE FARM LOUIS R ZUMBACH JR GARNER AND YOUNG HERBERT F HOOVER CADSON FARM	BERT SAMS AND SCN SPURLIN AND MARTIN GEORGE C RUTH HAROLD AND LEE STAMER RICHARD GROSSHAUSER	HAROLD VIAL CLOVERGOLD FARM ROBERT H LAGE EUGENE BERNICK DONALD J HOLST AND SON	THGMAS P WADSWORTH DONALD DEGROOT O R BENTLEY AND SON LYON JERSEYS GEORGE ROBISON	WESLEY V HART CLYDE MONSON AND SON EUGENE MCCUBBIN HAROLD HANNEMAN R H BOE	NORDAHL FARM ALBERT GUASS SERSLAND AND LOMEN SPENCER LANDSWERK CLOY F MEYER	MORRIS MILLER ROBERT PROVORSE DONALD HEGEMAN HAROLD SELL R G PLANK
HERD CODE	42429008 42429008 42420033 42429038 42429038	42449007 42460024 42500006 42500007 42539094	42570027 42570157 42620001 42629006 42620007	42649019 42640037 42670003 42710036 42710037	42769025 42819031 42829059 42829068 42820071	42829084 42849058 42859017 42869011 42899003	42939007 42949004 42940029 42960027	42960081 42960086 42960110 42960125 42960133	42999014 42999036 43029015 43060020

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ADDRESS OF OWNER	HARRISONVILLE HARRISONVILLE CAMERON NEW HAVEN WASHINGTON	ROGERSVILLE TRENTON TRENTON PLEASANT HOPE MARTHASVILLE	HAVANA HILLSBORD MINOT SIOUX FALLS ABERDEEN	CORONA BIG STONE CITY BROOKINGS OAKLAND BOYSTOWN	VALLEY BENNINGTON ELKHORN WILBER LINCOLN	LINCOLN NORTH PLATTE CENTRAL CITY GRAND ISLAND HUMPHREY	COLUMBUS FALLS CITY BEAVER CROSSING IOLA BURLINGTON	OSAWATOMIE OTTAWA LAWRENCE WILLIAMSBURG LAWRENCE	BLUE MOUND ROCK GEUDA SPRINGS WHITEWATER EL DORADO
ADDR	R R R R1 EAST BOX 191	ROUTE 2 BOX 124 R R 5	RT 1 R R 2 806 SD KLINE	DR D F BREAZEALE BOYS HOME	BOX 97 ROUTE 2 COLLEGE OF AGR	R R 1 R R 4 R R 3 BOX 93	R R 1 BOX 98 RFD 2 R R 2	RT 1 ROUTE 1 R R 1 R R 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
NAME OF OWNER	A L HARTZLER L C AND CHARLES MORELAND LLOYD C BACON IRVIN STEIGER EARL KOSSMANN	W W BAILEY ALICE HOFFMAN AND SONS HAMMOND AND ROWOTH RAYMOND G SECHLER WILBERT A HACKMANN	ERNEST PARROW HARRY TONN JOHN LOCHTOWE WILLIAM ODE AND SONS VAN WINKLE AND SON	FORGUS HOOTH CLIFFORD CHRISTENSEN SO DAKOTA STATE COLLEGE STANLEY C JOHNSON FATHER FLANAGANS	JO-BE FARMS FRED AND HELEN EIPPERLE ROBERTS DAIRY COMPANY VERNON HUNEKE DAIRY DEPT UNIV OF NEBR	STEINHAUSEN BROS UNIV CF NEBR EXP STATION LESTER AND JOHN FISHLER WM F AND RUBIN MEIER NORMAN HELLBUSCH	THEO OSTEN MILTON BLETSCHER PHILLIPS BROTHERS IVAN STRICKLER ALBERT J WINN	GEORGE PRETZ HOWARD H JOHNSON F R WEMPE MARTIN DICKINSON ROBERT R BIGSBY	VERNON MORRELL RUDY DAVIS JOHN WEIR JR E B REGIER CHARLES D GRISHAM
HERD CODE	43169017 43169023 43229001 43339037	43359099 43369005 43369013 43750075 43950002	45410016 45490002 45510038 46010012 46070034	46269006 46269039 46709010 47209009	47289075 47289075 47280089 47349013 47559003	47550081 47569010 47610002 47619011 47710020	47710024 47740003 47809012 48080003 48109008	48139051 48149007 48140020 48140029	48169022 48190010 48199016 48209015 48209019

HERD CODE	NAME OF OWNER	ADDRES	ADDRESS OF OWNER	
48220030 48229064 48250004 48289030 48349050	CARROLL HEIDE TITUS F JOST EARL BENJAMIN CONALD B FISHER CONVIE DIETZ	RT 3 RFD 5 R R 2	LEON NEWTON GARNETT ST JOHN NESS CITY	K K A N S K K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K A N S K
48440004 48440030 48449048 48449133 48459055	DONALD L MCQUEEN EUGENE AND BILL FRANKLIN JOHN C GSWALD MAHLON MILLER EMMETT C HEALY	R R 1 R R 3 R R 1	NICKERSON HUTCHINSON HUTCHINSON HUTCHINSON CLEARWATER	KANS KANS KANS KANS
48689009 48729017 48779006 48770034 48790007	HIGHER VIEW DAIRY FARM MILLIAM FRERKING WILLARD R SECHRIST LLGYD L PRUITT MCDOWELL BROTHERS	ж ж ж ж ж ж ж ж ж	HAYS HERK IMER DEL PHOS BARNARD SAL INA	KANS KANS KANS KANS
48790009 48790013 48799014 48820028 48856274	J W CARLIN AND SCN FLOYD GLSON AND SON SCHNEIDER BRGS GLIVER R UNRUH KANSAS STATE UNIVERSITY	R R 1 R R 1 WEST WATERS HALL	SMOLAN BAVARIA SALINA HILLSBORO MANHATTAN	X X X X X X X X X X X X X X X X X X X
48939010 48950010 48999022 50100020 51019018	HARLAN R PHILLIPS GLENN A PALMER FRED HYER BUCK, C. D. UNIVERSITY OF MARYLAND	R R 1 R R 1 R R 1 BUX 68 DAIRY DEPT	MAYETTA TOPEKA OLATHE WILMINGTON COLLEGE PARK	KANS KANS KANS DEL:
51013026 51030030 51049108 51040181 51059001	LAIRY CATTLE RESEARCH BR BLADES, A. T. LERR, EDWARD N. AND SON HOFF, MARLIN MOUNT ARARAT FARMS	AGR RESEARCH CTR ROLLING ACRES FARM R F D 2 R D 2	BELTSVILLE PRESTON NEW WINDSOR NEW WINDSOR PURT DEPOSIT	M M M M
51050009 51059101 51050131 51070014 51079017	ENGLAND, T. HOWARD BACCHUS, T. W. JR. STROHMAIER, C. CRUM, JOHN M. IFERT, CHARLES E.	R D 1 R D 5 R P D 3	NORTH EAST ELKTON RISING SUN FREDERICK MIDOLETOWN	
51079035 51079040 51079049 51070086	VIRTS, EDGAR C. JR. CUDAGW, C. LESTER STALEY, CHARLES IRVING WACHTER, RUSSELL S. KEPLER, WILLIAM C.	R F D ROUTE 4 R F D	JEFFERSON LIME KILN FREDERICK KEYMAR MIDDLETOWN	M M M M M M M M M M M M M M M M M M M
51080041 51099122 51100010 51110083 51119122	WAGNER, CLAUDE W. JR MAGNESS, ALBERT H. WARFIELD, MRS. EOWIN JR. FIGH MAPLES FARMS FRY, EDWIN C.	STAR ROUTE EMMORTCN ROAD ROUTE 2 R D 2	UAKLAND BEL AIR WOODBINE ROCK HALL CHESTERTOWN	M M M M M M M M M M M M M M M M M M M

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ADDRESS OF ONNER	ROCKVILLE KEYSER CENTREVILLE HAGERSTOWN HAGERSTOWN	AMELIA AMELIA SPOTTSNOOD WAYNESBORO SWOOPE	WEYERS CAVE MOUNT SOLON STAUNTON HUDDLESTON BEDFORD	BLAND TROUTVILLE BRODNAX BRODNAX RUSTBURG	CONCORD RUSTBURG BERRYVILLE CULPEPER CULPEPER	CUL PEPER CUL PEPER CUL PEPER CUL PEPER CUL PEPER	CULPEPER CULPEPER CULPEPER CHANTILLY HERNDON	HERNDON HERNDON CATLETT MIDLAND BOONESMILL	BOONESMILL BOONES MILL BOONES MILL ROCKY MOUNT
ADDRI	10810 DARRNSTOWN ROUTE 3 R D 1 BOX 122 ROUTE 1 ATT H L MILLS RFD	ROUTE 4 ROUTE 2 FAIRVIEW FARMS	R F D 1 BOX 30 ROUTE 4 ROUTE 2 ROUTE 5 BOX 554	HILL DAIRY RFD 1 R F D 2 RTE 1 BOX 95 RT 2 BOX 153 ROUTE 1	ROUTE 1 HARVUE FARM RT 1 BOX 330 ROUTE 3	MOUNTAIN DEW FARM 80X 230 80X 495 80X 788 ROUTE 2	LOCUST HILL FARM P O BOX 191 MAPLE SPRINGS BRCOKFIELD FM RT 1 ROUTE 1	ROUTE 1 C S JENKINS RT 2 AUTUMN HILL FARM	R F D 1 DAIRY FARM RFD 2 R F D 1 LONG VIEW FM RFD 1 ROUTE 1
NAME OF OWNER	GARRETT BRUTHERS BROOKE, DONALD AND BLAIR ALTFATHER, HARRY D. WALRATH, CHARLES H. BROOKLAWN FARMS	RIVERSIDE FARM CHARLES F MOYER R R FRAVEL JR MRS E C WRIGHT AND SON J W RILEY & SONS	HAROLD W ROLLER HERSHEL H SARDNER WILLIAM M KEGLEY I C GOODE AND SONS WIPLEDALE FARM	FRED B TATE JR A H HENDERSON GOUGLAS B CHILD WESWAM MANOR DAIRY JOHN W ARTHUR	DAVID F EVANS H I PATRICK AND SON JOHN O HARDESTY & SON J C ELLER KENLYN FARM CLYDE H WEAVER	JAMES A WEAVER JR E T WILLIS SR E T WILLIS JR JOHN M WILLIS EARL S HAWKINS	JOHN A HUNT VA BAPTIST HOME INC G L HARLOW WILLIAM H HARRISON PECK BROTHERS	W D & BEN P MIDDLETON PINEY BRANCH FARM LACY W PETERS R M & R E LEONARD J WILLARD BOWMAN	NEWTON B FLORA A K HARDY RED VALLEY W W NAFF JR HORACE C FISHER & SON WILLIAMEWALTER KINGERY
HERD CODE	51139002 51140027 51150094 51170030 51170108	52040003 52040011 52070002 52070013 52070026	52070044 52070055 52070061 52090023 52090092	52100002 52110007 52120005 52120012 5215001	52150003 52150008 52210001 52230024 52230028	52230029 52230032 52230033 52230035 52230039	52230042 52230054 52230063 52280007 52280013	52280020 52280025 52290012 52290017 52320006	52320016 52320018 52320021 52320030 52320035

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ADDRESS OF OWNER	ROCKY MOUNT FERRUM WINCHESTER INDEPENDENCE FRIES	PACES BEAVERDAM RICHMOND UPPERVILLE THE PLAINS	PURCELLVILLE PURCELLVILLE GORDONSVILLE ORANGE GRANGE	WOLFTOWN BASKERVILLE CAMBRIA BLACKSBURG BLACKSBURG	BLACKSBURG SUFFOLK NORFOLK 6 CREWE ORANGE	ORANGE ORANGE CHATHAM CHATHAM RICE	SPERRYVILLE HOLLINS COLLEGE VINTON LEXINGTON LEXINGTON	HARRISONBURG BRIDGEWATER HARRISONBURG HARRISONBURG MOUNT CRAWFORD	MT CRAWFORD ROSEDALE TAZEWELL FREDERICKSBURG MINERAL
ADDR	ROUTE 1 ATTN R T MILAM BOX 440 ROUTE 3 BOX 178	ROUTE 1 % P WELCH RT 5 FOXLEASE FARM	ROUTE 1 BOX 183 ROUTE 1 BOX 16 ROSNI	WILO-HALLO H G BLALOCK ROUTE I DAIRY SCIENCE DEPT DAIRY SCIENCE DEPT	VPI DRY SCI DEPT ROUTE 4 BOX 275 ROUTE 3 BOX 26 BOX 365 CLEAVELAND FARM	KENWCOD FARM YATTON FARM ROUTE 1 ROUTE 1 ATTN CALVIN BASS	ATTN J W JAMISON TIMBERRIDGE FARM R F D 3 MAPLE GROVE DAIRY	ROUTE 2 BOX 131 DAIRY FARM R F D 4 R F D 2 R F D	ROUTE 1 ATN W A STUART JR BOX 470 ROUTE 1 BOX 256 ROUTE 1 BOX 116
NAME OF OWNER	G H SINK AND SONS FERRUM JUNIOR COLLEGE FORT COLLIER FARMS R S KIRK DR JAN MARINUS	L C OWEN ROBERT G SMITH CURLES NECK FM MRS ANNE ARCHBOLD TRIVELDA FARMS	R P JAMES T J POTTS AND SON R J FISHER BURNLEY FM COUGLAS S HILL FRANK S WALKER	WILLIAM C HARDSTOCK PARK FOREST FARM G WESTON WALL VA POLYTECHNIC INST	VA AGR EXP STATION ROUNTREE DAIRY INC J D CURLING HILLCREST DAIRY MISS CALLIE CLARK	M W SANFORD WYATT A WILLIAMS NORMAN NEAL & NORMAN E W OWEN & SONS B C BASS & SON	MT VERNON STOCK FARM HOLLINS COLLEGE W D VINYARD J J TARDY FAIRVIEW FM RICHARD S NUCKOLS SR	R L BUWMAN WAMPLER AND GARDNER SPANGLER FARMS U W ADAMS AND SONS K O BAILEY	F R SHANK EJAMES HORST STUART LAND E CTLE CO J K SHGRT P C HATCH AND SON N L HOUCK
HERD CODE	52320038 52320050 52330001 52370025 52370038	52400005 52420005 52436013 52530067 52530091	52530122 52530128 52540002 52560006 52560013	52560026 52580003 52600007 52606014 52606019	52600021 52610003 52640005 52670008 52680003	52680008 52680020 52710007 52710010 52730001	52780001 52800011 52810010 52810015	52820004 52820010 52820017 52820060 52820070	52820094 52830001 52830019 52880005 52880028

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ADDRESS OF OWNER	BRISTOL RURAL RETREAT MORGANTOWN SNUW CAMP POLKTON	BILTMORE MORGANTON BLANCHE BLANCH	SHELBY SHELBY FREELAND NEW BERN LEXINGTON	WINSTON SALEM ADVANCE ROCKY MOUNT CHERRYVILLE BESSEMER CITY	CREEDMOGR SUMMERFIELD GUILFORD COLLEGE GREENSBORO	BROWN SUMMIT CLYDE HUNTERSVILLE STAR MT GILEAD	RT 1 SPRING HOPE HILLSBORD HILLSBORD MEBANE ORIENTAL	WILLARD GREENVILLE REIDSVILLE MT ULLA LAURINBURG	MONROE RALEIGH RALEIGH RALEIGH WILLOW SPRINGS
ADDRE	ROUTE 1 RCUTE 2 DAIRY DEPT ROUTE 1 RCUTE 2	WESTERLY ATTN FARM MANAGER ROUTE 1 ROUTE 2	RCUTE 4 ROUTE 3 BOX 82 ROUTE 4 BOX 411	BOX 38 SALEM STA RUUTE 1 HX 1600 LEGGETT RD J A SELLEY BX 694 ROUTE 1	ROUTE 1 ROUTE 2 ROUTE 3 BOX 83 ROUTE 1	ROUTE 1 ROUTE 3 ROUTE 2 BOX 486 BOX 367 ROUTE 2 BOX 54	GOLDLEAF FARM ROUTE 3 R F D 2 RGUTE 2	ROUTE 1 BOX 341 ROUTE 2 J F WALTERS RT 2	ROUTE 3 R F D 1 ATTN FARM MANAGER ROUTE 4 ROUTE 1
NAME OF OWNER	MRS W HURT G F VAUGHT WEST VIRGINIA UNIVERSITY FUGUAYS DAIRY FARM N C CIRCLE L E B LEE	BILTMORE FARM OFFICE GRUCHTON HOSPITAL DAN VALLEY FARM DANIEL FARMS GERALD THOMAS	GEORGE BLANTON JR A W GREEN AND SCNS DR A F PUMPHREY DAIRY HODGES B PARKER SAM Z TUSSEY AND SONS	FRED F BAHNSON JR C A STREET JR ALLAN MANOR FARM SUNBEAM FARMS ATTN LEE DAMERCN	G A ALLEN WILLIAM E CUMMINGS DAVID C CUMMINGS J W AND RALPH CUMMINGS L CALVIN RUSS	LINDSEY I TROXLER JOE H PALMER ERVIN H GOOK STAROHN FARM J T KERN JARRETT A THOMPSON	C S BUNN AND SONS CATES BRUS W G CARUTHERS & SON LASLEY BROTHERS KAMON TINGLE	R M LEFLER E M TYSON AND SON CHARLES M TURNER J R CALDWELL MCNAIR DAIRY FM ATTN	ROBERT G MYERS J R NIPPER AND SONS DOROTHEA DIX HOSPITAL GREENVIEW FARM SETH FISH
HERD CODE	52980018 52980018 54319024 55000021 55030001	55106006 55110006 55160001 55160003 55180041	55220004 55220034 55230009 55240007 55280026	55290009 55290010 55320008 55350004 55350017	55380011 55400009 55400010 55400021 55400028	55400044 55430004 55590012 55610006 55610009	55670001 55670005 55670016 55670038 55680005	55700006 55730002 55780004 55790040 55820001	55890016 55910005 55910010 55910019

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ADDRESS OF OWNER	ANDERSON LIBERTY RT 1 PENDLETON DENMARK CAMERON	CALLISON COOSAWHATCHIE CLINTON OMINGS MOUNTVILLE	NEWBERRY NEWBERRY KINARD CLEMSON CLEMSON	NORWAY HOPKINS SALUDA R F D 1 SALUDA SALUDA	ROEBUCK BOYKIN BUYKIN JACKSON ATHENS	DECATUR ELLENWOOD MT BERRY STOCK BRIDGE MONTEZUMA	MONTEZUMA MADISON GAINESVILL ORLANDO ASTATULA	ORLANDO KISSIMMEE PLANT CITY CLEARWATER LAWRENCEBURG	LEXINGTON LEXINGTON LEXINGTON LEXINGTON MURRAY
ADDR	RTE 3 R F D 1 BOX 198 D E QUATTLEBAUM UNIT 1 ATTN GEORGE PERROW	RGUTE 2 ATTN PAUL FREEMAN 102 EAST CENTENIAL BGYD STGDDARD RT 1 RGUTE 1	ROUTE 3 DAIRY DEPARTMENT DAIRY DEPARTMENT	ROUTE 1 ROUTE 4 ATTN H H LONGSHORE ROUTE 2	UNIT B DAIRY UNIT C DAIRY DR CARL M CLIFTON	ATT JACK MATHIS 2842 WARD LAKE DR MOYER HORSE SHOE FARM	R F D 1 P G BOX 548 DEPT DAIRY SCI 5705 BEARHEAD RD PO BOX 146	4471 JUDGE ROAD RT 1 80X 125 P 0 80X 1551 ROUTE 1 80X 399 H G MCRAY ROUTE 3	DAIRY - JERSEY LEESTGWN ROAD ROUTE 4 DAIRY - HOLSTEIN RYANS MILK PLANT
NAME OF OWNER	HENRY S GLENN JOHN B & EDITH KLINGER GREENGLOW FARM ATTN EDISTO FARMS H W PERROW AND SONS	E P GULLEDGE SR GREGORIE NECK PLANTATION CALDWELL HENDERSON STUDDARD BROS ATT WHITE PLAINS FARM	HENRY L PARR W E SENN C T SMITH CLEMSON AGR COLLEGE HOL CLEMSON AGR COLLEGE JER	LITTLE RIVER FARMS NO J H RUDISI'L R F HIPP NICHOLS AND LONGSHORE WHEELERS JERSEY FARM	JOHNSON BROS S CAROLINA PENITENTIAR S CAROLINA PENITENTIAR LAWRENCE MORGAN UNIV OF GA DAIRYFARM	R L MATHIS CERT DAIRY BRUDKS & HAROLD JOHNSON BERRY SCHOOLS DAIRY H M BRUDER RUFUS L YODER	FLOYD E YODER BENNETT & THOMAS FLA AGR EXPT STATION T G LEE FARMS INC # 1 LAY LAINE GUERNSEY FARM	JUDGE JERSEYS JCHN JOHNSTON J H CONE ₩ J CASEY	UNIVERSITY OF KENTUCKY U S PUBLIC S HOSPITAL C E GIBSON BRIAR HILL UNIVERSITY OF KENTUCKY G B SCOTT
HERD CODE	56040014 56040014 56040023 56050010 56090018	56240010 56270012 56300012 56300027 56300037	56360023 56360028 56360030 56370008 56370009	56380008 56400022 56410012 56410025 56410036	56420018 56430025 56430026 57100501 57160008	57250014 57250015 57310502 57413009 57530504	57530512 57590001 58039029 58050004 58050006	58050008 58050023 58060001 58060007 61010002	61020003 61020014 61020032 61020044 61060001

неко соре	NAME DF OWNER	ADDR	ADDRESS OF OWNER	
61060002 61060004 61060009 61060013 61060019	MURRAY STATE COLLEGE BLALGCK AND WHITE WILL ED HENDON CALVIN COMPTON R L USREY	DAIRY FARM ROUTE 5 ROUTE 4 ROUTE 2	MURRAY MURRAY MURRAY MURRAY KIRKSEY	<b>*</b>
61090016 61090018 61090023 61090023	EMIT M LONG M M KINDER & SON J F GAULT M WHALEY M B SMCOT M B WORTHINGTON	R F D 5 ROUTE 2 ROUTE 1	LANCASTER MAYSLICK MAYSVILLE AUGUSTA MAYSVILLE	<b>***</b> **
61150021 61200002 61210004 61240010 61250018	JOHN W WEDDLE JR JESS WAINSCOTT EEN T BROWNING R D SHIPMAN RUSSEL MCGLOTHLIN	STAR ROUTE ROUTE 3 ROUTE 4 ROUTE 2 RTE 2	LIBERTY OWENTON FALMOUTH SHHLBYVILLE PORTLAND	4 X X X X X X X X X X X X X X X X X X X
61280013 61280011 61280015 61280040 61319030	WESTERN KY ST COLLEGE MITCHELL BROS BILLY V MORRIS & SON BORDERS FARM DONALD MCCUBBING	RT 4 NASHVILLE RD ROUTE 3 ROUTE 3	BOWLING GREEN SMITHS GROVE BOWLING GREEN BOWLING GREEN SUMMER SHADE	****
61360005 61360013 63010013 63030007 63050008	RALPH PEED ROBERT & DAVID CONNOR J T GRANBERY BOHBY MCCAMPBELL P J SHIVELL	ROUTE 2 RT 1 4110 BEVERLY PLACE P 0 BOX 89	SHELBYVILLE FINCHVILLE BRENTWOOD KNOXVILLE KINGSPORT	T T T K K E N N N N N N N N N N N N N N N N N
63070007 63080011 63110004 63120017 63130005	WEST TENN EXP STA R W BASSE AND HOYTEOWEN HENRY B WILLIAMS JOHN W MASSENGILL JOE POPE	ROUTE 2 ROUTE 4 ROUTE 3	JACKSON MURFREESBORD CLARKSVILLE CHUCKEY DYER	T T T EEN N N N N N N N N N N N N N N N
63130007 63130024 63190008 63220005 63220006	J A HADLEY BEN P HAZLEWOOD BACHMAN MEMORIAL HOME UNIVERSITY OF TENNESSEE UNIVERSITY OF TENNESSEE	P O BOX 1549 MARTIN BRANCH NO 1 MARTIN BRANCH NO 2	RUTHERFORD JACKSON CLEVELAND MARTIN MARTIN	
63230004 63230011 63320014 63320013 63320027	CLYDE BARHAM & SONS BIG SPRING FARM MAYFIELD FARMS J T TAYLOR TENN UNIV EXP STA	% CHARLES F WARREN ROUTE 2 ROUTE 3	CALMOUN BIG SPRING ATHENS CHAPEL HILL LEWISBURG	
63340003 63370011 63450002 64020115 64120104	TENN TECH # 1 ATT PARHAM ED ZIMMERMAN OKEH DAIRY FREELAND FARMS	DAIRY HUSBANDRY % ED ZIMMERMAN R Q GRANDEY RT 5 ROUTE 1	COOKEVILLE WINCHESTER MCMINNVILLE GRAND BAY FIVE POINTS	A T T T T T T T T T T T T T T T T T T T

	ALA ALA ALA ALA	A MISS S S S S S S S S S S S S S S S S S	ARK LA OKLA OKLA	OKLA OKLA OKLA ARK OKLA	OKLA OKLA OKLA TEX TEX	16 X	TEX TEX TEX TEX	TEX TEX TEX TEX
ADDRESS OF OWNER	CULLMAN ST BERNARD FAUNSDALE FAUNSDALE FAUNSDALE	MARION HORN LAKE HORN LAKE MEMPHIS STARKVILLE STATE COLLEGE MACON NEWTON EVERTON	SUMMERS BATON ROUGE HELENA WATONGA	EL RENO MUSTANG ARDMORE LAWTON VINITA	SAPULPA SKIATOOK STILLWATER MCKINNEY BONHAM	AUSTIN GAINESVILLE DALLAS STEPHENVILLE STEPHENVILLE	WEIMAR. SULPHUR SPRINGS SULPHUR SPRINGS AZLE PLAINVIEW	BURKBURNETT BELLEVUE NACOGDOCHES CARTHAGE HASLET
ADDRI	ROUTE 4 PLACID DAKS FARMS ATTN AMZI RANKIN ATTN JOE RANKIN ATTN JOHN RANKIN	STAR ROUTE BOX 28 2175 PERSON AVE RT 3 BOX 327 R F D RT 1	~	BOX 815 ROUTE 1 R R 3 BOX 203 R R 2 BCX 69	60X 1191 80X 175 DAIRY CEPT ROUTE 3	ROUTE 1 BOX 264 ROUTE 1 RTE 2 BOX 168 RT 1 BOX 171 ROUTE 1	ROUTE 1 ROUTE 1 ROUTE 3	BOX 755 ROUTE 2 BOX 153 ROUTE 3 BOX 196 ROUTE 3
NAME OF OWNER	CARL A PEINHARDT ST BERNARD COLLEGE CEDARCREST FARM NO 1 CEDARCREST FARM NO 2 CEDARCREST FARM#3	JAMES BRADY GAYOSO FARMS AAY E TURMAN JONES BOWDEN JACK BARNETT MISS STATE UNIV OR L B MORRIS M G M BILL BOWDEN	DON AND DONALD WHITE L S U DR J B FRYE JR STATE TRAINING SCHOOL L J BARRETT RANCH LESTER KREMEIER	W L MCKINSTER GOLDEN DEW GUERNSEY FARM THE SOUTHLAND CGRP HENRY NIEDERJOHN EASTERN STATE HOSPITAL	HERSHBERGER AND RATLIFF Y T PARK UKLA STATE UNIV MILLERS DAIRY JAMES E SUDDERTH	HAROLD F GREEN F & M DAIRY W R MEYERS DAVID G SMOKLER M FULCHER & V TERRELL W L PAYTON	MILTON BEKEN E L KOON I D HARNESS HARVEY AND SON DAIRY R DEAN MCKINNEY	GENE ROBERTSON HERSHEL STUDDARD BLOUNT AND GRAVES SHIVERS DAIRY J FRED DAVIS JR
HERD CODE	64250102 64250105 64480110 64480111	64530101 65020022 65020045 65020079 65030032 65049051 65049051 65170006 71169001	71199016 72170003 73020002 73069001 73090004	73099005 73099010 73100004 73169012	73199005 73579003 73609019 74040107	74100109 74110110 74150111 74150131	74160136 74180110 74180133 74240150 74250130	74310110 74310114 74330101 74330154 74350109

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ADDRESS OF OWNER	FORT WORTH CALDWELL CALDWELL COLLEGE STATION MERIDIAN	NAMPA NAMPA CALDWELL MERIDIAN	GLENNS FERRY JEROME HAGERMAN BUHL SEQUIM	PULLMAN PULLMAN CLARKSTON VANCOUVER	PASCO OTHELLO MONROE TROUT LAKE CHEMALIS	CENTRALIA FORT STEILACGOM GRAHAM BUCKLEY ROY	ROY EATONVILLE ROY BOW MT VERNON	MT VERNON BOW SNOHOM I SH MONROE SNOHOM I SH	ROCHESTER LYNDEN LYNDEN FERNDALE WAPATO
ADD	1101 BROAD ROUTE 3 BOX 157 ROUTE 3 DAIRY SCI DEPT ROUTE 1	ROUTE 6 ROUTE 1 ROUTE 6 ROUTE 6 ROUTE 3	RURAL ROUTE 2 C/O WM T HOWARD ROUTE 1 RTE 1 BOX 123	STAR RTE L 14516 NE SALM GRK 6112 NE 179 ST	RTE 1 BOX 208 EAST STAR RTE ROUTE 1 RTE 1 BOX 316	RTE 3 BOX 584 RTE 1 BOX 466 BOX 116	RTE 1 80X 97 8 RTE 1 80X 209 RTE 1 80X 71 ROUTE 1 RTE 3 80X 299	RTE 6 80X 116 ROUTE 1 ROUTE 3 80X 942 RTE 4 80X 376	RTE 1 80X 27 ROUTE 1 ROUTE 2 ROUTE 1 ROUTE 1 RTE 1 80X 228
NAME OF DWNER	BROAD VALLEY FARM JOHNNIE J DRGAC A G HRONEK TEX A & M COLLEGE HOL EUGENE BALDWIN	ROY EDDLEMON AND SON OREGON TRAIL FARMS GEORGE L BURRI GEORGE & HELEN CARSON WM STEVENS	SIMPSON BROS LYLE F ANDERSON JOHN TOWNSEND T W RICHMOND C A ROBINSON & SON	W S U W S U HARVEY HARTLEY & SON R J DARLING & I MEYER R J DARLING	ALVIN TAYLOR GEORGE & JAY ROYLANCE BOB KOSTERS LEGNARD SCHMID ADOLPH KAECH	MATHEW RAKOZ WESTERN STATE HOSPITAL ALBERT HATT RAINIER STATE SCHOOL CARL A NORTH	ELMER D LARSON WILLIS WOOD WILCOX FARMS FRIEDRICHS BROS JAMES P OLSON	EMIL YOUNGQUIST I W YOUNGQUIST EARLE BAILEY & SON INSTITUTIONAL FARM IND GERRIT KOSTERS	WARREN REYNOLDSON T J BAY HENRY POLINDER WALT J & VESTA CLARKSON LOUIE JARNECKE
HERD CODE	74350123 74360015 74740003 74749047 82110218	82125122 82125138 82130115 82135116 82145153	82355137 82360176 82360261 82510146 91105034	91115001 91115003 91110007 91120019	912600022 91260002 91345035 91400001 91420013	91425016 91545002 91540003 91545004 91545006	91540028 91545043 91545072 91585045 91585081	91585131 91585132 91625001 91625002	91680040 91745003 91745047 91745123 91780014

HERD CODE	NAME OF OWNER	ADDR	ADDRESS OF OWNER	
91780027	C M RUSSELL GITO HAUPT	ROUTE 4	WAPATO	WASH
92025024	OREGON STATE COLLEGE	120 WITHYCOMBE HAL	CORVALLIS	ORE.
92025027	OREGON STATE COLLEGE	120 WITHYCOMBE HAL	CORVALLIS	ORE.
92045013	ALFRED OLSON	RTE 3 BOX 408	ASTORIA	ORE.
92055026	DONALD R MEIER	RTE 1 80X 288	SCAPPOOSE	ORE.
07009076	BEN MONSON	RTE 1 BOX 763	NORTH BEND	ORE.
92085005	SWEET JERSEYS	80X 264	SIXES	ORE.
92190028	LOUIS J WETTSTEIN	RTE 1 BOX 347	ONTARIO	ORE.
92200041	NEAL W MILLER	RTE 1 BOX 328	WOCDBURN	ORE.
92200087	KEITH JOHNSON	91C CASCADE HWY	SALEM	ORE.
92205100	JUHN RASMUSSEN	STAR RTE BCX 88	ST PAUL	ORE.
92205108	PAUL AND DELORES MANN	RTE 1 BOX 305	SILVERTON	ORE.
92235095	MRS ADELE DURRER & SONS	RTE 2 BOX 895	TILLAMOOK	ORE.
92250003	AARON PAYNE		UNION	ORE.
92275032	W J KALSCH	RTE 4 BOX 294	HILLSBORO	ORE.
92270094	ALVIN AND THERESA MEURY	RTE 1 BOX 331	FOREST GROVE	ORE.
92280022	JAMES & WILMA J HELDA	RTE 2 BOX 242	MCMINNVILLE	ORE.
96015011	3 J HOLLEMBACK		PALMER	ALAS

